HIKVISION

PRODUCT CATALOG

201110V06

About Us

Hikvision Digital Technology Co., Ltd. is one of the world's leading suppliers of video surveillance products and solutions. Established in 2001, Hikvision has grown from a small company with 28 people into a global enterprise with more than 5,000 employees, including 1,400 R&D engineers. With the largest R&D team in the industry and capability of continuous innovation, Hikvision's product offerings include hybrid DVRs, NVRs, standalone DVRs, digital video servers, compression cards, high-definition IP cameras and speed domes. These products are used in more than 100 countries and have been used to secure various security applications around the world.

Head quartered in Hangzhou, China, Hikvision has expanded to a global operation with regional branch offices in Los Angeles covering the Americas; Amsterdam covering Europe, and Dubai forthe Middle East; joint ventures in India and Russia; as well as a maintenance center in Hong Kong.

Rapid growth and exceptional products have seen Hikvision recognized as the No.1 DVR supplier according to IMS Research's World Market for CCTV and Video Surveillance Equipment Report 2011 and listed for three years in a row in Security 50, a market survey recognizing the top 50 security vendors in the global security market (No. 10 in 2010). Hikvision is now publicly listed in Shenzhen Stock Exchange with market capitalization of US $5.6 billion.

INDEX

Model Name Coding Rule

Speed Dome

	DS-2	A	M	1-	6	1	3	X	-B
DS-2AM1-613X-B	DS-2	A	M	1-	6	1	3	X	-B
DS-2DF1-602H	DS-2	D	F	1-	6	0	2	H	
DS-2DF1-401H	DS-2	D	F	1-	4	0	1	H	
DS-2DF1-514F	DS-2	D	F	1-	5	1	4	F	
	①	②	③		④	⑤	⑥	⑦	⑧

① DS-2——HIKVISION front-end product
② A——Analog speed dome
　 D——Network speed dome
③ F——High Speed dome
　 M——Medium speed dome
④ 6——6 inch speed dome
　 4——4 inch speed dome
　 5——5 inch speed dome
　 7——IR speed dome
⑤ 1——Standard Definition Outdoor speed dome
　 0——Standard Definition Indoor speed dome
　 3——Standard Definition In-ceiling speed dome
　 7——1.3 Megapixel High Definition Outdoor speed dome
　 70——1.3 Megapixel High Definition Indoor speed dome
　 73——1.3 Megapixel High Definition In-ceiling speed dome
　 8——2 Megapixel High Definition Outdoor speed dome
　 80——2 Megapixel High Definition Indoor speed dome
　 83——2 Megapixel High Definition In-ceiling speed dome
⑥ The number stands for different camera modules with different optical zoom times
⑦ X—— Speed dome with new structure(For 4 inch and 6 inch standard definition speed dome)
　 H——Speed dome support DS-9000 series NVR(For 4 inch and 6 inch standard definition speed dome)
　 F——Built-in optical interface
　 S——SDI interface
⑧ -B—— Sony Drive for WDR

Analog Camera

	DS-2	C	C	1		7	6	P	-C
DS-2CC176P-C	DS-2	C	C	1		7	6	P	-C
DS-2CC512N-IRA	DS-2	C	C	5	1	2		N	-IRA
DS-2CC1185P-A	DS-2	C	C	1	1	9	5	P	-A
DS-2CC5197P-VP	DS-2	C	C	5	1	9	7	P	-VP
	①	②	③	④	⑤	⑥	⑦	⑧	⑨

① "DS-2"——HIKVISION front-end product
② "C"——Color camera
③ "C"——Analog camera
④ Structure
　 "1"——Analog box&bullet camera
　 "5"——Analog dome camera
⑤ Generation
　 "Default"——1st generation analog camera
　 "1"——2nd generation analog camera
⑥ Horizontal resolution
　 "0"——420TVL
　 "1"——480TVL
　 "3"——CMOS
　 "7"——540TVL or 560TVL
　 "8"——600TVL
　 "9"——650TVL
　 "A"——700TVL
⑦ Special features
　 "3"——Support OSD menu
　 "5"——Low illumination camera
　 "6"——1/2" high light compensation camera
　 "7"——WDR camera
　 "8"——1/3" high light compensation camera

⑧ Signal system
　 "P"——PAL signal system
　 "N"——NTSC signal system
⑨ Extended Information
　 "-VP"——Vandal proof housing
　 "-VF"——Vari-focal lens
　 "-A"——Support AC 24V / DC 12V
　 "-C"——Support AC100V~240V
　 "-IR"——Support IR
　 "-IR1"——10 to 20 meters IR Range
　 "-IR3"——30 to 40 meters IR Range
　 "-IR5"——50 to 60 meters IR Range
　 "-IRA"——100 to 110 meters IR Range
　 "-IRT"——IR with vari-focal lens
　 "-MM"——Mini structure
　 "-PT"——Build-in PTZ
　 "-IPT"——Build-in PTZ with 10 meters IR Range
　 "-H"——Heater
　 "-DG"——Pinhole camera
　 "-BT"——Mini bullet camera
　 "-FD"——UFO camera

Zoom Camera

	DS-2	D	Z	2	1	6	M	F	
DS-2DZ216MF	DS-2	D	Z	2	1	6	M	F	
DS-2CM282P-WD	DS-2	C	M	2	8	2	P		-WD
	①	②	③	④	⑤	⑥	⑦	⑧	⑨

① "DS-2"——HIKVISION front-end product
② "C"——Analog camera
　 "D"——Network camera
③ "Z"——Zoom camera
　 "M"——Zoom camera module
④ "2"——Zoom camera
⑤ "0"——10x optical zoom
　 "1"——18x optical zoom
　 "3"——22x optical zoom
　 "5"——23x optical zoom
　 "8"——30x optical zoom
　 "9"——36x optical zoom
⑥ Different number stands for different features
⑦ "P"——PAL signal system
　 "N"——NTSC signal system
　 "M"——Mega pixels
⑧ "F"——Support SD/SDHC card
⑨ "-WD"——Wide Dynamic Range
　 "-PT1"——Constant speed PTZ with 100 meters IR Range
　 "-PT2"——Constant speed PTZ
　 "-PT3"——Constant speed PTZ with 200 meters IR Range
　 "-PT4"——Variable speed PTZ

Network Camera

	DS-2	C	D	71	3	3			-E
DS-2CD7133-E	DS-2	C	D	71	3	3			-E
DS-2CD672MF-FB	DS-2	C	D	7	6	2	M	F	-FB
DS-2CD8254F-EI	DS-2	C	D	82	5	4		F	-EI
DS-2CD893PFWD-E	DS-2	C	D	8	9	3	P	FWD	-E
	①	②	③	④	⑤	⑥	⑦	⑧	⑨

① "DS-2"——HIKVISION front-end product
② "C"——Color camera
③ "D"——Network camera
④ "7"——Dome camera
　 "8"——Box camera
　 "71"——Mini dome camera
　 "72"——Outdoor dome camera
　 "81"——Mini cube camera
　 "82"——Bullet camera
　 "83"——Thermal camera
⑤ "3"——VGA(640×480) resolution
　 "5"——2 or 3 mega pixels resolution CMOS
　 "6"——1.3 mega pixels resolution
　 "7"——2 mega pixels resolution
　 "8"——5 mega pixels resolution
　 "9"——4CIF resolution

⑥ Different numbers stands for different sensor, camera generation and expanded information
⑦ "P"——PAL signal system
　 "N"——NTSC signal system
　 "B"——BNC output
⑧ "F"——Support SD/SDHC card
　 "WD"——Wide Dynamic Range
　 "-IR1"——10 to 20 meters IR Range
　 "-IR3"——30 to 40 meters IR Range
　 "-IR5"——50 to 60 meters IR Range
⑨ "-E"——Power over Ethernet(PoE)
　 "-W"——Wi-Fi(802.11g/b/n)
　 "-PT"　Build-in PTZ
　 "-I"——Support IR
　 "-H"——Heater

Features and Benefits

WDR (Wide Dynamic Range)

The WDR function is intended to provide with clear image performance in strong backlight areas such as exterior light coming through a window or glass door. High contrast light conditions are no longer a problem when you need to capture detailed images.

Conventional Camera   WDR Camera

When ICR is on, camera is able to increase highly its light sensitivity in monochrome mode.

ICR (Infrared Cut filter Removal)

An IR filter – or IR cut filter - is a color filter blocking the infrared light. In order to avoid unwanted side-effects caused by infrared light (as part of the natural ambient light) during image recordings in daylight mode, an IR Cut Filter is installed in front of the sensor. The filter is meant to prevent the incidence of light onto the image sensor.

BLC (Backlight Compensation)

Backlight is the light behind the object of interest in a scene. Back Light Compensation BLC automatically brings more detail to darker areas of an image when bright light shining from behind obscures it and provides perfect exposure for an object in front of very strong back light. The electronic shutter of the camera basically adjusts its exposure to try to allow for more light to be allowed in the darker areas.

Conventional Camera   With BLC

By avoiding privacy infringement issues, this function allows users selecting several sensitive areas to blocked undesirable monitoring.

Privacy Mask

Privacy masking is a common term covering the need to restrict what can be seen by camera. It applies equally to image displayed in real time basis for surveillance purposes and image recorded for later use. This function is use to protect personal privacy by concealing part of the image from view with a masked area.

HLC (Highlight Compensation)

It is ability to reverse bright points in the picture to black. As an effective approach to recognize vehicle's number-plate at night, HLC function can detect any spotlight diffused by object-vehicle and compensate it for obtaining clearer image.

HLC Off

HLC On

Conventional Camera

With AWB

AWB (Automatic White Balance)

Color temperature is directly related to environment and it influences on the color of image. AWB automatically adjusts the white balance in response to varying light conditions to reproduce accurate color without any color-cast caused by different lighting source (ex. Incandescent, fluorescent and quartz light).

Super Low Light Performance

With advanced ISP technology, Hikvision's cameras provide ultra high sensitivity allowing visibility in very dark conditions.

Conventional Camera

With ISP

Conventional Camera

With AGC

Automatic Gain Control

It's a form of amplification where the camera will automatically boost the image received in much lower light conditions than standard in order to optimize the clarity of image in poor lit scene.

3D Intelligent Positioning

A easy-to-use function enabling user to track and zoom out any suspected objects by simply drag-and-click mouse.
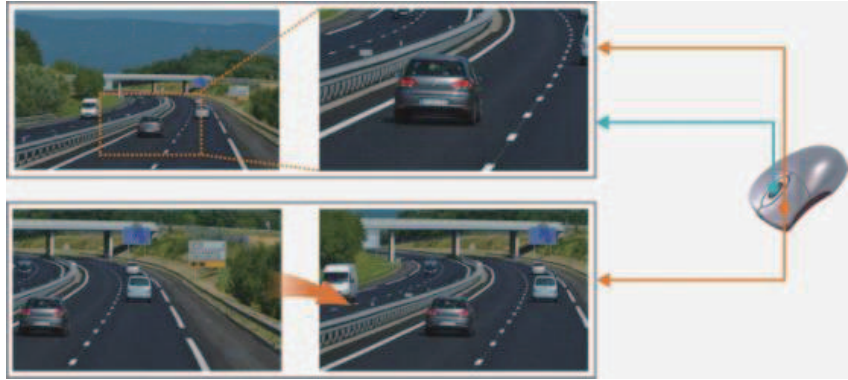
3D DNR (Digital Noise Reduction)

Compared to traditional DNR technology, 3D DNR can decrease the noise effect, especially when capturing moving images in low light conditions and delivering more accurate and sharp image quality.

Conventional Camera

With 3D DNR

Smart IR

In some case of misjudging the length of IR range and subjects, IR cameras lead to frequently over-exposed subjects. That's why smart IR is there to solve this type of issue by adjusting automatically IR light and based on subject's distance, resulting in a clear image that is not washed out or too dark.

General IR Camera

Smart IR Camera

DIS (Digital Image System)

Developed by Hikvision, this industry-advanced technology with excellent image quality, low power-consuming and high reliability, can provide a perfect cost-effective alternative to traditional analog cameras.

Conventional Camera

DIS Camera

SPEED DOME

DS-2DF1-714　IR Network High Speed Dome

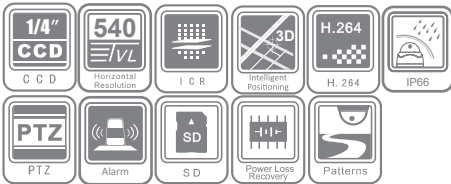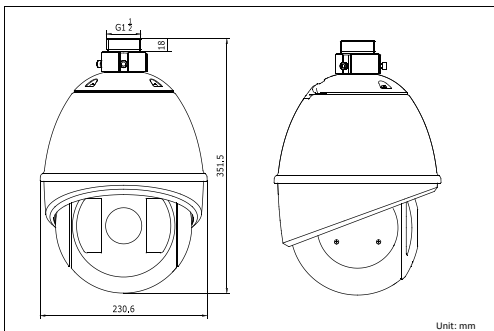|	DS-2DF1-714 (outdoor)
Camera	
Image sensor	1/4" Sony Super HAD CCD
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL
Signal system	PAL / NTSC
Min.illumination	Color: 0.2 lux@F1.6, B/W: 0.02 lux@F1.6, 0 lux with IR
White balance	Auto / manual / ATW / indoor / outdoor
AGC	Auto / manual
S / N ratio	≥ 50dB
BLC	On / off
Shutter time	PAL: 1/50 ~ 1/10,000s, NTSC: 1/60 ~ 1/10,000s
Day & night	IR cut filter
Digital zoom	16x
Focus model	Auto / semi-automatic / manual
Lens	
Focal length	3.84 ~ 88.4mm, 23x
Zoom speed	Approx.5.1s (optical Wide-Tele)
Angle of view	52.2 ~ 2.36° (Wide-Tele)
Min. working distance	10 ~ 1,200mm (Wide-Tele)
Aperture range	F1.6 ~ F4.5
Pan and tilt	
Pan range	360° endless
Pan speed	Pan manual speed: 0.1° ~ 160°/s, pan preset speed: 240°/s
Tilt range	-10° ~ 90° (auto flip)
Tilt speed	Tilt manual speed: 0.1° ~ 120°/s, tilt preset speed: 200°/s
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 min per pattern
Power-off memory	Support
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
PTZ position display	On / Off
Infrared	
IR irradiation distance	80m
IR irradiation angle	Adjustable by zoom
Alarm	
Alarm input	2 (7 alarm inputs optional)
Alarm output	2 relay outputs, alarm response actions configurable
Alarm action	Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client
Input / output	
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Audio input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio output	Line level, impendance: 600Ω
Network	
Ethernet	10 base-T / 100 base-TX, RJ45 connector
Max.image resolution	PAL:704 × 576, NTSC:704 × 480
Frame rate	PAL: 25 fps (704 × 576), NTSC: 30 fps (704 × 480)
Image compression	H.264
Audio compression	G.711 / 16 kbps
Audio mode	Off / audio input / audio output
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE
No. of simultaneous users	Up to 6 users
Dual streams	Support
Mini SD memory card	Manual REC / alarm REC. Built-in SD/SDHC slot, up to 32GB
User/Host level	3 levels: administrator, camera control, live view only
Security measures	User authentication (ID and PW), host authentication (MAC address)
Client GUI	
Camera control	Pan / tilt, zoom, focus, click centering, drag zoom, iris, preset position call and program, auto mode.
Camera name	Up to 18 characters
Date & Time display	Time: week: date, 6 formats on the client
Reading patrol message	Display and reading of preset message contained in each patrol via client software
Fiber interface (available for fiber dome only)	
Data mode	10 base-T / 100 base-TX
Physical interface	FC (SC optional)
Fiber wavelength	TX1310 / RX1550nm
Fiber type	Single fiber / single mode
Transmission distance	20km, with 40km, 60km and 80km optional
General	
Menu language	English, Chinese
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power supply	24V AC (12V DC optional)
Power consumption	40W max
Working temperature / humidity	-30 °C ~ 65 °C (-22 °F ~ 149 °F), 90% or less
Protection level	IP66 standard, TVS 3,000V lightning protection, surge protection and voltage transient protection
Mounting	Various mounting modes optional
Dimensions	Φ230.6 × 351.5mm (Φ9.08" × 13.84")
Weight (approx.)	5.5kg (12.13lbs)

Key Features

- 1/4" Sony Super HAD CCD
- True day / night
- 80m IR range
- 3D intelligent positioning function
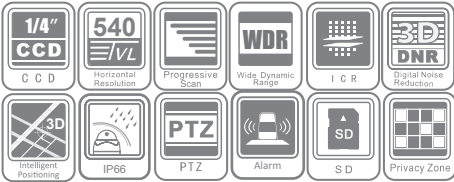- IP66 rating
- 23x optical zoom

Dimensions

351.5

230.6

Unit: mm

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

1/4" CCD · CCD
540 /VL Horizontal Resolution
ICR
3D Intelligent Positioning
H.264 H.264
IP66
PTZ · PTZ
Alarm
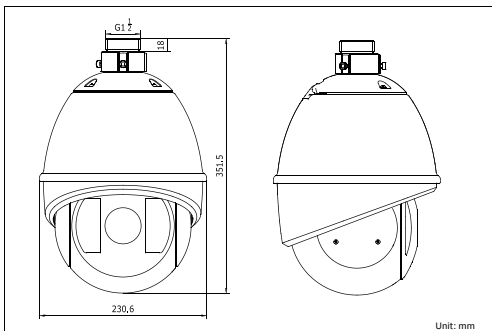SD · SD
Power Loss Recovery
Patterns

HIKVISION

DS-2DF1-713/715-B IR WDR Network High Speed Dome

Key Features

- 1/4" Sony EXVIEW HAD progressive scan CCD
- 128x wide dynamic range
- True day / night
- 80m IR range
- 3D intelligent positioning function
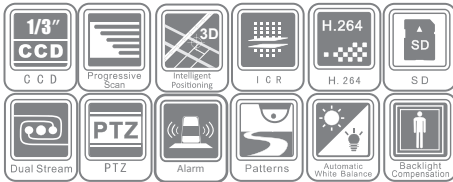- 3D digital noise reduction
- IP66 rating

Dimensions

Unit: mm

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

	DS-2DF1-713-B (outdoor)	DS-2DF1-715-B (outdoor)
Camera		
Image sensor	1/4" Sony EXVIEW HAD progressive scan CCD	
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)	
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL	
Signal system	PAL / NTSC	
Min.illumination	Color: 0.7 lux@F1.4, B/W: 0.01 lux@F1.4, 0 lux with IR	Color: 0.25 lux@F1.35 , B/W: 0.0015 lux@F1.35, 0 lux with IR
White balance	Auto / manual / ATW / indoor / outdoor	
AGC	Auto / manual	
S / N ratio	≥ 50dB	
BLC	On / Off	
WDR	128x (on / off / auto)	
Anti-shake	—	On / off
Shutter time	PAL: 1/3 ~ 1/10,000s, NTSC: 1/4 ~ 1/10,000s	
Day & night	IR cut filter	
Digital zoom	12x	
Privacy mask	24 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen	
Focus model	Auto / semi-automatic / manual	
Lens		
Focal length	4.1 ~ 73.8mm, 18x	3.5 ~ 98mm, 28x
Zoom speed	Approx.2.0s (optical Wide-Tele)	Approx.1.7s (optical Wide-Tele)
Angle of view	48 ~ 2.8° (Wide-Tele)	55.8 ~ 2.1° (Wide-Tele)
Min. working distance	290 ~ 800mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.4 ~ F3.0	F1.35 ~ F3.7
Pan and tilt		
Pan range	360° endless	
Pan speed	Pan manual speed: 0.1° ~ 160°/s, pan preset speed: 240°/s	
Tilt range	-10° ~ 90° (auto flip)	
Tilt speed	Tilt manual speed: 0.1° ~ 120°/s, tilt preset speed: 200°/s	
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples	
Number of preset	256	
Patrol	8 patrols, up to 32 presets per patrol	
Pattern	4 patterns, with the recording time not less than 10 min per pattern	
Power-off memory	Support	
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan	
PTZ position display	On / off	
Freeze frame	Support	
Infrared		
IR irradiation distance	80m	
IR irradiation angle	Adjustable by zoom	
Alarm		
Alarm input	2 (7 alarm inputs optional)	
Alarm output	2 relay outputs, alarm response actions configurable	
Alarm action	Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client	
Input/ Output		
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC	
Audio input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%	
Audio output	Line level, impendance: 600Ω	
Network		
Ethernet	10 base-T / 100 base-TX	
Max.image resolution	PAL: 704 × 576, NTSC: 704 × 480	
Frame rate	PAL: 25fps (704 × 576), NTSC: 30fps (704 × 480)	
Image compression	H.264	
Audio compression	G.711 / 16kbps	
Audio mode	Off / audio input / audio output	
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE	
No. of simultaneous users	Up to 6 users	
Dual streams	Support	
Mini SD memory card	Manual REC / alarm REC. Built-in SD/SDHC slot, up to 32GB	
User / Host level	3 levels: administrator, camera control, live view only	
Security measures	User authentication (ID and PW), host authentication (MAC address)	
Client GUI		
Camera control	Pan / tilt, zoom, focus, click centering, drag zoom, iris, preset position call and program, auto mode.	
Camera name	Up to 18 characters	
Date & time display	Time: week: date, 6 formats on the client	
Reading patrol message	Display and reading of preset message contained in each patrol via client software	
Fiber interface (available for fiber dome only)		
Data mode	10 base-T / 100 base-TX	
Physical interface	FC (SC optional)	
Fiber wavelength	TX1310 / RX1550nm	
Fiber type	Single fiber / single mode	
Transmission distance	20km, with 40km, 60km and 80km optional	
General		
Menu language	English, Chinese	
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Power supply	24 VAC (12 VDC optional)	
Power consumption	40W max	
Working temperature / humidity	-30 °C ~ 65 °C (-22 °F ~ 149 °F), 90% or less	
Protection level	IP66 standard, TVS 3,000V lightning protection, surge protection and voltage transient protection	
Mounting	Various mounting modes optional	
Dimensions	Φ230.6 ×351.5mm (Φ9.08" × 13.84")	
Weight (approx.)	5.5kg (12.13lbs)	

DS-2DF1-572/5702/5732   1.3 MP Network High Speed Dome

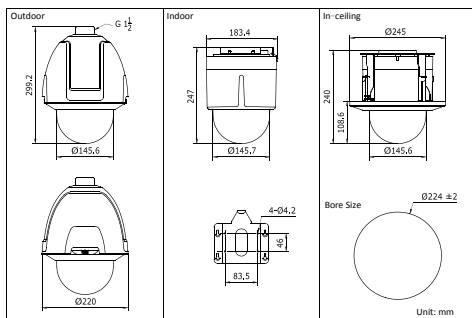| DS-2DF1-572 (outdoor) DS-2DF1-5702 (indoor) DS-2DF1-5732 (in-ceiling)	
Camera	
Image sensor	1/3" Sony progressive scan CCD
Effective pixel	1280 (H) × 960 (V)
Min.illumination	Color: 0.5 lux@F1.6, B/W: 0.02 lux@F1.6
White balance	Auto / manual / one touch WB / ATW
AGC	Auto / manual
S/N ratio	≥ 50dB
BLC	On / Off
Shutter time	1/25 ~ 1/100,000s
Day & night	IR cut filter
Digital zoom	12x
Focus model	Auto / semi-automatic / manual
Lens	
Focal length	4.7 ~ 84.6mm, 18x
Zoom speed	Approx.2s (optical Wide-Tele)
Angle of view	55.2 ~ 3.2° (Wide-Tele)
Min. working distance	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.6 ~ F2.8
Pan and tilt	
Pan range	360° endless
Pan speed	Pan manual speed: 0.1° ~ 400°/s, pan preset speed: 540°/s
Tilt range	-5° ~ 90° (auto flip)
Tilt speed	Tilt manual speed: 0.1° ~ 240°/s, tilt preset speed: 400°/s
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 min per pattern
Power-off memory	Support
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
PTZ position display	On / off
Freeze frame	Support
Alarm	
Alarm input	1
Alarm output	1 relay outputs, alarm response actions configurable
Alarm actions	Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client
Input / output	
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Audio input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio output	Line level, impendance: 600Ω
Network	
Ethernet	10 base-T / 100 base-TX, RJ45 connector
Max.image resolution	1280 × 960
Frame rate	50Hz: 25 fps (1280 × 720)
Image compression	H.264
Audio compression	G.711 / 16kbps
Audio mode	Off / audio input / audio output
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE
No. of simultaneous users	Up to 6 users
Dual streams	Support
Mini SD memory card	Manual REC / alarm REC. Built-in SD/SDHC slot, up to 32GB
User / host level	3 levels: administrator, camera control, live view only
Security measures	User authentication (ID and PW), host authentication (MAC address)
Client GUI	
Camera control	Pan /tilt, zoom, focus, click centering, drag zoom, iris, preset position call and program, auto mode.
Camera name	Up to 18 characters
Date & time display	Time: week: date, 6 formats on the client
Reading patrol message	Display and reading of preset message contained in each patrol via client software
Fiber interface (available for fiber dome only)	
Data mode	10 base-T / 100 base-TX
Physical interface	FC / SC optional
Fiber wavelength	TX1310 / RX1550nm
Fiber type	Single fiber / single mode
Transmission distance	20km, 40km / 60km / 80km optional
General	
Menu language	English, Chinese
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power supply	24 VAC (12 VDC optional)
Power consumption	15W max. (30W max. with heater, outdoor dome)
Working temperature / humidity	-30 °C ~ 65 °C (-22 °F ~ 149 °F) (outdoor) / -10 °C ~ 50 °C (14 °F ~ 122 °F) (indoor), 90% or less
Protection level	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection
Mounting	Various mounting modes optional
Dimensions	Φ220 × 299.2mm (Φ8.66"×11.78")(outdoor), Φ183.4 × 247mm (Φ7.22"×9.72") (indoor), Φ245 × 240mm (Φ9.65"×9.45") (in-ceiling)
Weight (approx.)	5kg (11.02lbs)

Key Features

- 1/3" Sony progressive scan CCD
- True day / night
- Up to 1.3 megapixel resolution
- 3D intelligent positioning function
- Powerful PTZ control
- Programmable alarm triggering
- IP66 rating
- 18x optical zoom

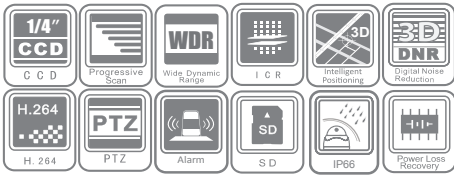## Dimensions

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

DS-2DF1-513/515/517-B
DS-2DF1-503/505/507-B

WDR Network High Speed Dome

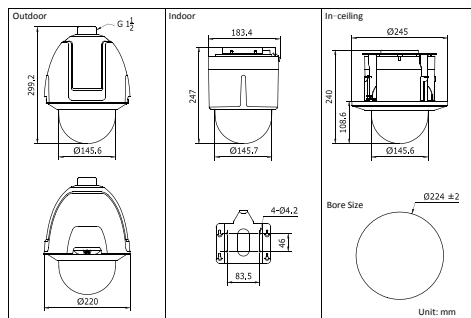
Key Features

- 1/4" SONY EXVIEW HAD progressive scan CCD
- True day / night
- 128x wide dynamic range
- 3D intelligent positioning function
- 3D noise reduction
- Programmable alarm triggering
- IP66 rating

Dimensions

Outdoor / Indoor / In-ceiling / Bore Size

Unit: mm

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

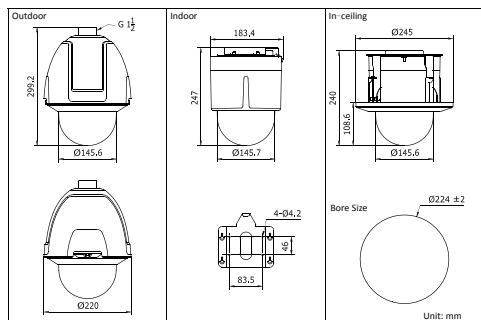|	DS-2DF1-513-B (outdoor) DS-2DF1-503-B (indoor) DS-2DF1-533-B (in-ceiling)	DS-2DF1-515-B (outdoor) DS-2DF1-505-B (indoor) DS-2DF1-535-B (in-ceiling)	DS-2DF1-517-B (outdoor) DS-2DF1-507-B (indoor) DS-2DF1-537-B (in-ceiling)
Camera			
Image sensor	1/4" Sony EXVIEW HAD progressive scan CCD		
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)		
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL		
Signal system	PAL / NTSC		
Min.illumination	Color: 0.7 lux@F1.4, B/W:0.01 lux@F1.4	Color: 0.65 lux@F1.35, B/W: 0.005 lux@F1.35	Color: 1.4 lux@F1.6, B/W: 0.01 lux@F1.6
White balance	Auto / manual / ATW / indoor / outdoor		
AGC	Auto / manual		
S/N ratio	≥50dB		
BLC	On / off		
WDR	128x (On / off / auto)		
Anti-shake	—	On / Off	On / Off
Shutter time	PAL:1/3 ~ 1/10,000s, NTSC:1/4 ~ 1/10,000s		
Day & night	IR cut filter		
Digital zoom	12x		
Privacy mask	24 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen		
Focus model	Auto / semi-automatic / manual		
Lens			
Focal length	4.1 ~ 73.8mm,18x	3.5 ~ 98mm, 28x	3.4 ~ 122.4mm, 36x
Zoom speed	Approx.2.0s (optical Wide-Tele)	Approx.1.7s (optical Wide-Tele)	Approx.2.7s (optical Wide-Tele)
Angle of view	48 ~ 2.8° (Wide-Tele)	55.8 ~ 2.1° (Wide-Tele)	57.8 ~ 1.7° (Wide-Tele)
Min. working distance	290 ~ 800mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)	320 ~ 1,500mm (Wide-Tele)
Aperture range	F1.4 ~ F3.0	F1.35 ~ F3.7	F1.6 ~ F4.5
Pan and tilt			
Pan range	360° endless		
Pan speed	Pan manual speed: 0.1° -400°/s, pan preset speed: 540°/s		
Tilt range	-5°-185° (auto mirror)		
Tilt speed	Tilt manual speed: 0.1°-240°/s, tilt preset speed: 400°/s		
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples		
Number of preset	256		
Patrol	8 patrols, up to 32 presets per patrol		
Pattern	4 patterns, with the recording time not less than 10 min per pattern		
Power loss recovery	Support		
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan		
PTZ position display	On / off		
Freeze frame	Support		
Alarm			
Alarm input	2 (7 alarm inputs optional)		
Alarm output	2 relay outputs, alarm response actions configurable		
Alarm actions	Preset, patrol, pattern, SD card recording, relay output, notification on client		
Input / output			
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
Audio input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%		
Audio output	Line level, impendance: 600Ω		
Network			
Ethernet	10 base-T / 100 base-TX, RJ45 connector		
Max.image resolution	PAL: 704×576, NTSC: 704×480		
Frame rate	PAL : 25 fps (704×576), NTSC: 30 fps (704×480)		
Image compression	H.264		
Audio compression	G.711 / 16kbps		
Audio mode	Off / audio input / audio output		
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE		
No. of simultaneous users	Up to 6 users		
Dual streams	Support		
Mini SD memory card	Manual REC / alarm REC, built-in SD/SDHC slot, up to 32GB		
User / host level	3 levels: administrator, camera control, live view only		
Security measures	User authentication (ID and PW), host authentication (MAC address)		
Client GUI			
Camera control	Pan / tilt, zoom, focus, click centering, drag zoom, iris, preset position call and program, auto mode.		
Camera name	Up to 18 characters		
Date & time display	Time: week: date, 6 formats on the client		
Reading patrol message	Display and reading of preset message contained in each patrol via client software		
Fiber interface (available for fiber dome only)			
Data mode	10 base-T / 100 base-TX		
Physical interface	FC (SC optional)		
Fiber wavelength	TX1310 / RX1550nm		
Fiber type	Single fiber / single mode		
Transmission distance	20km / 40km / 60km / 80km optional		
General			
Menu language	English, Chinese		
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive		
Power supply	24 VAC (12 VDC optional)		
Power consumption	15W max. (30W max. with heater, outdoor dome)		
Working temperature / humidity	-30°C ~ 65°C (-22°F ~ 149°F) (outdoor) / -10°C ~ 50°C (14°F ~ 122°F) (indoor), 90% or less		
Protection level	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection		
Mounting	Various mounting modes optional		
Dimensions	Φ220×299.2mm (Φ8.66"×11.78")(outdoor), Φ183.4×247mm (Φ7.22"×9.72") (indoor), Φ245×240mm (Φ9.65"×9.45") (in-ceiling)		
Weight (approx.)	5kg (11.02lbs)		

DS-2DF1-514/516/518
DS-2DF1-504/506/508
Network High Speed Dome
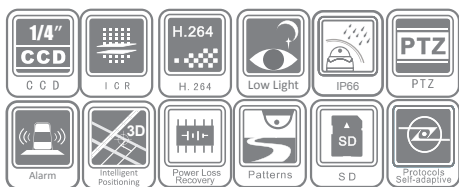
Key Features

- 1/4" Sony Super HAD CCD
- True day / night
- H.264 video compression
- 3D intelligent positioning function
- Powerful PTZ control
- Programmable alarm triggering
- IP66 rating
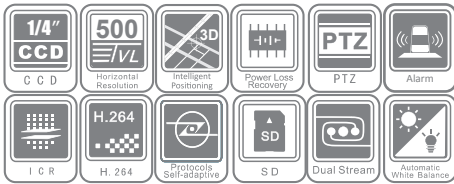- Up to 36x optical zoom

Dimensions

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

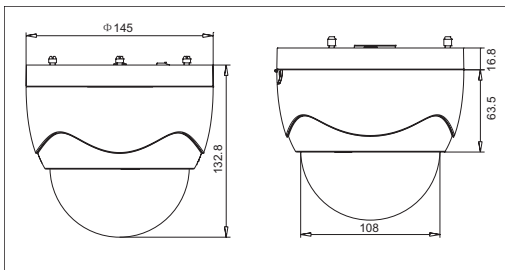|	DS-2DF1-514 (outdoor) DS-2DF1-504 (indoor) DS-2DF1-534 (in-ceiling)	DS-2DF1-516 (outdoor) DS-2DF1-506 (indoor) DS-2DF1-536 (in-ceiling)	DS-2DF1-518 (outdoor) DS-2DF1-508 (indoor) DS-2DF1-538 (in-ceiling)
Camera			
Image sensor	1/4" Sony Super HAD CCD		
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)		
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL	Color: 540 TVL, B/W: 570 TVL	Color: 540 TVL, B/W: 570 TVL
Signal system	PAL / NTSC		
Min.illumination	Color: 0.2 lux@F1.6, B/W: 0.02 lux@F1.6	Color: 0.2 lux@F1.4, B/W: 0.02 lux@F1.4	Color: 0.2 lux@F1.6, B/W: 0.02 lux@F1.6
White balance	Auto / manual / ATW / indoor / outdoor		
AGC	Auto / manual		
S/N ratio	≥ 50dB		
BLC	On / off		
Shutter time	PAL:1/50 ~ 1/10,000s, NTSC:1/60 ~1 /10,000s	PAL:1 ~ 1/10,000s, NTSC:1 ~ 1/10,000s	PAL:1 ~ 1/10,000s, NTSC:1 ~ 1/10,000s
Day & night	IR cut filter		
Digital zoom	16x		
Focus model	Auto / semi-automatic / manual		
Lens			
Focal length	3.84 ~ 88.4 mm, 23x	3.5 ~ 105mm, 30x	3.4 ~ 122.4mm, 36x
Zoom speed	Approx.5.1s (optical Wide-Tele)	Approx.5.4s (optical Wide-Tele)	Approx.5.4s (optical Wide-Tele)
Angle of view	52.2 ~ 2.36° (Wide-Tele)	56.4 ~ 2.0° (Wide-Tele)	57.8 ~ 1.7° (Wide-Tele)
Min. working distance	10 ~ 1,200mm (Wide-Tele)	10 ~ 1,000mm (Wide-Tele)	10 ~ 1,000mm (Wide-Tele)
Aperture range	F1.6 ~ F4.5	F1.4 ~ F3.7	F1.6 ~ F4.5
Pan and tilt			
Pan range	360° endless		
Pan speed	Pan manual speed: 0.1° ~ 400°/s, pan preset speed: 540°/s		
Tilt range	-5° ~ 90° (auto flip)	-5° ~ 185° (Auto Mirror)	-5° ~ 185° (Auto Mirror)
Tilt speed	Tilt manual speed: 0.1° ~ 240°/s, tilt preset speed: 400°/s		
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples		
Number of preset	256		
Patrol	8 patrols, up to 32 presets per patrol		
Pattern	4 patterns, with the total recording time not less than 10 min		
Power loss recovery	Support		
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan		
PTZ position display	On / off		
Freeze frame	—	Support	Support
Alarm			
Alarm input	2 (7 alarm inputs optional)		
Alarm output	2 relay outputs, alarm response actions configurable		
Alarm action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / relay output		
Input/ output			
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
Audio input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%		
Audio output	Line level, impedance: 600Ω		
Network			
Ethernet	10 base-T / 100 base-TX, RJ45 connector		
Max.image resolution	PAL: 704 × 576, NTSC: 704 × 480		
Frame rate	PAL: 25 fps (704 × 576), NTSC: 30 fps (704 × 480)		
Image compression	H.264		
Audio compression	G.711 / 16kbps		
Audio mode	Off / audio input / audio output		
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE		
No. of simultaneous users	Up to 6 users		
Dual streams	Support		
Mini SD memory card	Manual REC / alarm REC. Built-in SD/SDHC slot, up to 32GB		
User / host level	3 levels: administrator, camera control, live view only		
Security measures	User authentication (ID and PW), host authentication (MAC address)		
Client GUI			
Camera control	Pan / tilt, zoom, focus, click centering, drag zoom, iris, preset position call and program, auto mode.		
Camera name	Up to 18 characters		
Date & time display	Time: week: date, 6 formats on the client		
Reading patrol message	Display and reading of preset message contained in each patrol via client software		
Fiber interface (available for fiber dome only)			
Data mode	10 base-T / 100 base-TX		
Physical interface	FC (SC optional)		
Fiber wavelength	TX1310 / RX1550nm		
Fiber type	Single fiber / single mode		
Transmission distance	20km, with 40km, 60km and 80km optional		
General			
Menu language	English, Chinese		
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive		
Power supply	24 VAC (12 VDC optional)		
Power consumption	15W max. (30W max. with heater, outdoor dome)		
Working temperature / humidity	-30°C ~ 65°C (-22°F ~ 149°F) (outdoor) / -10°C ~ 50°C (14°F ~ 122°F) (indoor), 90% or less		
Protection level	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection		
Mounting	Various mounting modes optional		
Dimensions	Φ 220×299.2mm (Φ 8.66"×11.78") (outdoor), Φ 183.4×247mm (Φ 7.22"×9.72") (indoor), Φ 245×240mm (Φ 9.65"×9.45") (in-ceiling)		
Weight (approx.)	5kg (11.02lbs)		

DS-2DF1-401H Indoor Network High Speed Dome

Key Features

- 1/4" Interline Transfer Sony CCD
- 500 TVL resolution
- True day / night
- 3D intelligent positioning function
- Powerful PTZ control
- Programmable alarm triggering
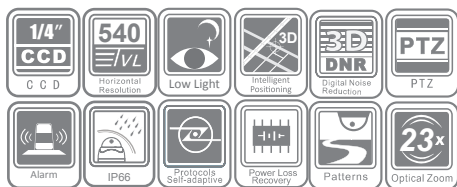- 10x optical zoom

Dimensions

Accessories

DS-1671ZJ
(In-ceiling Mount Bracket)

DS-1616ZJ
(Indoor long-arm wall mount Bracket)

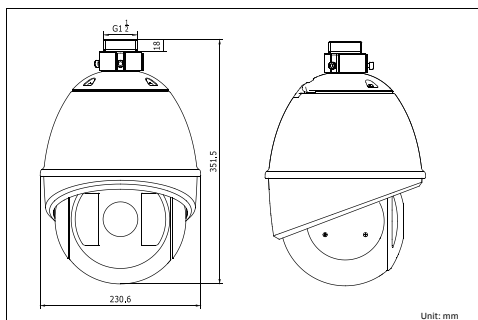|	DS-2DF1-401H
Camera	
Image sensor	1/4" Interline Transfer SONY CCD
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)
Horizontal resolution	Color: 500 TVL, B/W: 570 TVL
Signal system	PAL / NTSC
Min.illumination	Color: 0.7 lux@F1.8, B/W: 0.02 lux@F1.8
White balance	Auto / manual / ATW / indoor / outdoor
AGC	Auto / manual
S/N ratio	≥ 50dB
BLC	On / Off
Shutter time	PAL: 1/4 ~ 1/10,000s, NTSC: 1/3 ~ 1/10,000s
Day & night	IR cut filter
Digital zoom	10x
Privacy mask	4 privacy masks programmable; a maximum of 4 zones can be masked simultaneously on the same video screen
Focus model	Auto / semi-automatic / manual
Lens	
Focal length	3.8 ~ 38mm, 10x
Zoom speed	Approx.1.7s (optical Wide-Tele)
Angle of view	51.2 ~ 5.58° (Wide-Tele)
Min. working distance	10 ~ 1,000mm (Wide-Tele)
Aperture range	F1.8 ~ F2.8
Pan and tilt	
Pan range	360° endless
Pan speed	Pan manual speed: 0.1° ~ 300°/s, Pan preset speed: 400°/s
Tilt range	-2° ~ 90° (auto flip)
Tilt speed	Tilt manual speed: 0.1° ~ 90°/s, Tilt preset speed: 200°/s
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 min
Power loss recovery	Support
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
PTZ position display	On / off
Freeze frame	Support
Alarm	
Alarm input	1
Alarm output	1 relay outputs, alarm response actions configurable
Alarm action	Preset, patrol, pattern, SD card recording, relay output, notification on client
Input / output	
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Audio input	Audio input (LINE input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio output	Line level, impendance: 600Ω
Network	
Ethernet	10 base-T / 100 base-TX, RJ45 connector
Max.image resolution	PAL: 704 × 576, NTSC: 704 × 480
Frame rate	PAL: 25 fps (704 × 576), NTSC: 30 fps (704 × 480)
Image compression	H.264
Audio compression	G.711 / 16kbps
Audio mode	Off / audio input / audio output
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE
No. of simultaneous users	Up to 6 users
Dual streams	Support
Mini SD memory card	Manual REC / alarm REC. Built-in SD/SDHC slot, up to 32GB
User / host Level	3 levels: administrator, camera control, live view only
Security measures	User authentication (ID and PW), host authentication (MAC address)
Client GUI	
Camera control	Pan / tilt, zoom, focus, click centering, drag zoom, iris, preset position call and program, auto mode.
Camera name	Up to 18 characters
Date & time display	Time: week: date, 6 formats on the client
Reading patrol message	Display and reading of preset message contained in each patrol via client software
General	
Menu language	English, Chinese
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power supply	12 VDC / PoE
Power consumption	12W max.
Working temperature / humidity	-10°C ~ 50°C (14°F ~ 122°F) (indoor), 90% or less
Mounting	Various mounting modes optional
Dimensions	Φ145 × 132.8mm (Φ5.71" × 5.23") (indoor)
Weight (approx.)	2kg (4.41lbs)

DS-2AF1-714   IR Analog High Speed Dome

DS-2AF1-714	
Camera	
Image sensor	1/4" Sony Super HAD CCD
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL
Signal system	PAL / NTSC
Min.illumination	Color: 0.2 lux@F1.6, B/W: 0.02 lux@F1.6 , 0 lux with IR
White balance	Auto / manual / ATW / indoor / outdoor
AGC	Auto / manual
S/N ratio	≥ 50dB
BLC	On / off
Shutter time	PAL: 1/50 ~ 1/10,000s , NTSC: 1/60 ~ 1/10,000s
Day & night	IR cut filter
Digital zoom	16x
Focus model	Auto / semi-automatic / manual
Lens	
Focal length	3.84 ~ 88.4 mm, 23x
Zoom speed	Approx.5.1s (optical Wide-Tele)
Angle of view	52.2 ~ 2.36° (Wide-Tele)
Min. working distance	10 ~ 1,200mm (Wide-Tele)
Aperture range	F1.6 ~ F4.5
Pan and tilt	
Pan range	360° endless
Pan speed	Pan manual speed: 0.1° ~ 160°/s, pan preset speed: 240°/s
Tilt range	-10° ~ 90° (auto flip)
Tilt speed	Tilt manual speed: 0.1° ~ 120°/s, tilt preset speed: 200°/s
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 min
Power loss recovery	Support
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
PTZ position display	On / off
Password protection	Support
Zone scanning / display	Scanning within programmed zone, display zone title
Camera title	Programmable title display
Compass	Support , the north can be set
Scheduled task	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
RS-485 communication diagnosis	Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text
Manchester code communication diagnosis	Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters
Infrared	
IR range	80m
IR irradiation angle	Adjustable by zoom
Alarm	
Alarm input	2 (additional wires required)
Alarm output	2 relay outputs, alarm response actions configurable (additional wires required)
Alarm action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / relay output
Input/ output	
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Fiber interface (available for fiber dome only)	
Data mode	1-channel analog video and 1-channel reverse RS-485 data
Physical interface	FC (SC optional)
Fiber wavelength	TX1310 / RX1550nm
Fiber type	Single fiber / single mode
Transmission distance	20km, 40km / 60km / 80km optional
General	
Menu language	English, Chinese
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power supply	24 VAC (12 VDC optional)
Power consumption	40W max.
Working temperature / humidity	-30°C ~ 65°C (-22°F ~ 149°F), 90% or less
Protection level	IP66 standard, TVS 3,000V lightning protection, surge protection and voltage transient protection
Mounting	Various mounting modes optional
Dimensions	Φ230.6 × 351.5mm (Φ9.08" × 13.84")
Weight (approx.)	5.5kg (12.13lbs)

Key Features

- 1/4" Sony Super HAD CCD
- Low illumination
- True day / night
- 80m IR range
- 3D digital noise reduction
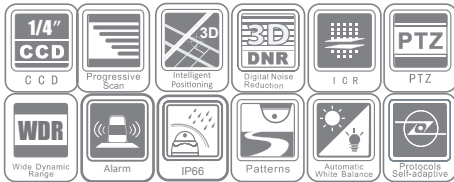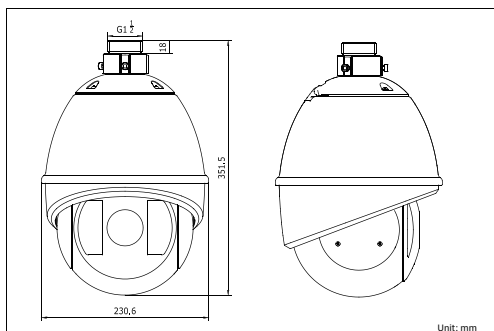- IP66 rating
- 23x optical zoom

Dimensions

Unit: mm

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

HIKVISION

DS-2AF1-713/715-B   IR WDR Analog High Speed Dome

| 1/4" CCD	Progressive Scan	Intelligent Positioning	3D DNR Digital Noise Reduction	I C R	PTZ
WDR Wide Dynamic Range	Alarm	IP66	Patterns	Automatic White Balance	Protocols Self-adaptive

Key Features

- 1/4" Sony EXVIEW HAD progressive scan CCD
- 128x wide dynamic range
- 540TVL high resolution
- True day / night
- 80m IR range
- 3D digital noise reduction
- IP66 rating

Dimensions

Unit: mm

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

	DS-2AF1-713-B	DS-2AF1-715-B
Camera		
Image sensor	1/4" Sony EXVIEW HAD progressive scan CCD	
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)	
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL	
Signal system	PAL / NTSC	
Min.illumination	Color: 0.7 lux@F1.4, B/W: 0.01 lux@F1.4 0 lux with IR	Color: 0.65 lux@F1.35, B/W: 0.005 lux@F1.35 0 lux with IR
White balance	Auto / manual / ATW / indoor / outdoor	
AGC	Auto / manual	
S/N ratio	≥ 50dB	
BLC	On / off	
WDR	128x (on / off / auto)	
Anti-shake	—	On / off
Shutter time	PAL: 1/3 ~ 1/10,000s, NTSC: 1/4 ~ 1/10,000s	
Day & night	IR cut filter	
Digital zoom	12x	
Privacy mask	24 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen	
Focus model	Auto / semi-automatic / manual	
Lens		
Focal length	4.1 ~ 73.8mm, 18x	3.5 ~ 98mm, 28x
Zoom speed	Approx.2.0s (optical Wide-Tele)	Approx.1.7s (optical Wide-Tele)
Angle of view	48 ~ 2.8° (Wide-Tele)	55.8 ~ 2.1° (Wide-Tele)
Min. working distance	290 ~ 800mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.4 ~ F3.0	F1.35 ~ F3.7
Pan and tilt		
Pan range	360° endless	
Pan speed	Pan manual speed: 0.1° ~ 160°/s, pan preset speed: 240°/s	
Tilt range	-10° ~ 90° (auto flip)	
Tilt speed	Tilt manual speed: 0.1° ~ 120°/s, tilt preset speed: 200°/s	
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples	
Number of preset	256	
Patrol	8 patrols, up to 32 presets per patrol	
Pattern	4 patterns, with the total recording time not less than 10 min	
Power loss recovery	Support	
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan	
PTZ position display	On / off	
Freeze frame	Support	
Password protection	Support	
Zone scanning / display	Scanning within programmed zone, display zone title	
Camera title	Programmable title display	
Compass	Support, the north can be set	
Scheduled task	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan	
RS-485 communication diagnosis	Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text	
Manchester code communication diagnosis	Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters	
Infrared		
IR range	80m	
IR irradiation angle	Adjustable by zoom	
Alarm		
Alarm input	2 (additional wires required)	
Alarm output	2 relay outputs, alarm response actions configurable (additional wires required)	
Alarm action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / relay output	
Input / output		
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC	
Fiber interface (available for fiber dome only)		
Data mode	1-channel analog video and 1-channel reverse RS-485 data	
Physical interface	FC (SC optional)	
Fiber wavelength	TX1310 / RX1550nm	
Fiber type	Single fiber / single mode	
Transmission distance	20km, 40km / 60km / 80km optional	
General		
Menu language	English, Chinese	
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Power supply	24 VAC (12 VDC optional)	
Power consumption	40W max.	
Working temperature / humidity	-30°C ~ 65°C (-22°F ~ 149°F), 90% or less	
Protection level	IP66 standard, TVS 3,000V lightning protection, surge protection and voltage transient protection	
Mounting	Various mounting modes optional	
Dimensions	Φ 230.6 × 351.5mm (Φ 9.08" × 13.84")	
Weight (approx.)	5.5kg (12.13lbs)	

DS-2AF1-513/515/517-B
DS-2AF1-503/505/507-B
WDR Analog High Speed Dome
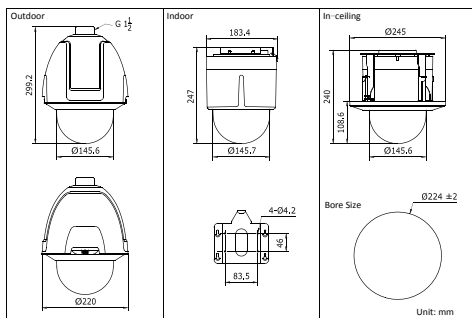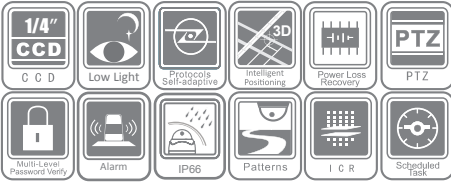
	DS-2AF1-513-B (outdoor) DS-2AF1-503-B (indoor) DS-2AF1-533-B (in-ceiling)	DS-2AF1-515-B (outdoor) DS-2AF1-505-B (indoor) DS-2AF1-535-B (in-ceiling)	DS-2AF1-517-B (outdoor) DS-2AF1-507-B (indoor) DS-2AF1-537-B (in-ceiling)
Camera			
Image sensor	1/4" Sony EXVIEW HAD progressive scan CCD		
Effective pixel	PAL:752 (H) × 582 (V), NTSC:768 (H) × 494 (V)		
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL		
Signal system	PAL / NTSC		
Min. illumination	Color: 0.7 lux@F1.4 B/W: 0.01 lux@F1.4	Color: 0.65 lux@F1.35 B/W: 0.005 lux@F1.35	Color: 1.4 lux@F1.6 B/W: 0.01 lux@F1.6
White balance	Auto / manual / ATW / indoor / outdoor		
AGC	Auto / manual		
S/N ratio	≥ 50dB		
BLC	On / off		
WDR	128x (on / off / auto)		
Anti-shake	—	On / off	On / off
Shutter time	PAL: 1/3 ~ 1/10,000s, NTSC: 1/4 ~ 1/10,000s		
Day & night	IR cut filter		
Digital zoom	12x		
Privacy mask	24 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen		
Focus model	Auto / semi-automatic / manual		
Lens			
Focal length	4.1 ~ 73.8mm, 18x	3.5 ~ 98mm,28x	3.4 ~ 122.4mm,36x
Zoom speed	Approx.2.0s (optical Wide-Tele)	Approx.1.7s (optical Wide-Tele)	Approx.2.7s (optical Wide-Tele)
Angle of view	48 ~ 2.8° (Wide-Tele)	55.8 ~ 2.1°(Wide-Tele)	57.8 ~ 1.7° (Wide-Tele)
Min. working distance	290 ~ 800mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)	320 ~ 1,500mm (Wide-Tele)
Aperture range	F1.4 ~ F3.0	F1.35 ~ F3.7	F1.6 ~ F4.5
Pan and tilt			
Pan range	360° endless		
Pan speed	Pan manual speed: 0.1° ~ 400°/s, pan preset speed: 540°/s		
Tilt range	-5° ~ 185° (auto mirror)		
Tilt speed	Tilt manual speed: 0.1° ~ 240°/s, tilt preset speed: 400°/s		
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples		
Number of preset	256		
Patrol	8 patrols, up to 32 presets per patrol		
Pattern	4 patterns, with the total recording time not less than 10 min		
Power loss recovery	Support		
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan		
PTZ position display	On / off		
Freeze frame	Support		
Password protection	Support		
Zone scanning / display	Scanning within programmed zone, display zone title		
Camera title	Programmable title display		
Compass	Support , the north can be set		
Scheduled task	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan		
RS-485 communication diagnosis	Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text		
Manchester code communication diagnosis	Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters		
Alarm			
Alarm input	2 (additional wires required)		
Alarm output	2 relay outputs, alarm response actions configurable (additional wires required)		
Alarm action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / relay output		
Input / output			
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
Fiber interface (available for fiber dome only)			
Data mode	1-channel analog video and 1-channel reverse RS-485 data		
Physical interface	FC (SC optional)		
Fiber wavelength	TX1310 / RX1550nm		
Fiber type	Single fiber / single mode		
Transmission distance	20km, 40km / 60km / 80km optional		
General			
Menu language	English, Chinese		
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive		
Power supply	24 VAC (12 VDC optional)		
Power consumption	15W max. (30W max. with heater, outdoor dome)		
Working temperature / humidity	-30°C ~ 65°C (-22°F ~ 149°F) (outdoor) / -10°C ~ 50°C (14°F ~ 122°F) (indoor), 90% or less		
Protection level	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection		
Mounting	Various mounting modes optional		
Dimensions	Φ220 × 299.2mm (Φ8.66" × 11.78") (outdoor) Φ183.4 × 247mm (Φ7.22" × 9.72") (indoor) Φ245 × 240mm (Φ9.65" × 9.45") (in-ceiling)		
Weight (approx.)	5kg (11.02lbs)		

Key Features
- 1/4" Sony EXVIEW HAD progressive scan CCD
- 128x wide dynamic range
- 540 TVL high resolution
- True day / night
- 3D intelligent positioning function
- 3D digital noise reduction
- IP66 rating

Dimensions

Outdoor
299.2
Ø145.6
Ø220

Indoor
183.4
247
Ø145.7

In-ceiling
Ø245
240
108.6
Ø145.6

4-Ø4.2
46
83.5

Bore Size
Ø224 ±2

Unit: mm

Accessories

DS-1614ZJ
(Long-arm Wall Mount Bracket)

DS-2AF1-514/516/518
DS-2AF1-504/506/508

Analog High Speed Dome
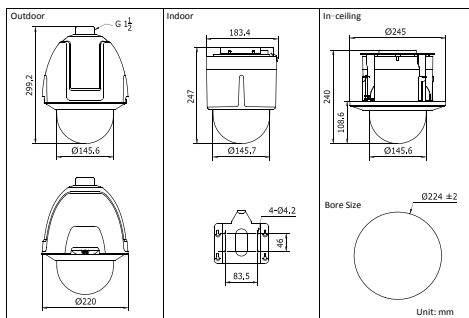
	DS-2AF1-514 (outdoor) DS-2AF1-504 (indoor) DS-2AF1-534 (in-ceiling)	DS-2AF1-516 (outdoor) DS-2AF1-506 (indoor) DS-2AF1-536 (in-ceiling)	DS-2AF1-518 (outdoor) DS-2AF1-508 (indoor) DS-2AF1-538 (in-ceiling)
Camera			
Image sensor	1/4'' Sony Super HAD CCD		
Effective pixel	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)		
Horizontal resolution	Color: 540 TVL, B/W: 570 TVL		
Signal system	PAL / NTSC		
Min.illumination	Color: 0.2 lux@F1.6 B/W: 0.02 lux@F1.6	Color: 0.2 lux@F1.4 B/W: 0.02 lux@F1.4	Color: 0.2 lux@F1.6 B/W: 0.02 lux@F1.6
White balance	Auto / manual / ATW / indoor / outdoor		
AGC	Auto / manual		
S/N ratio	≥ 50dB		
BLC	On / off		
Shutter time	PAL: 1/50 ~ 1/10,000s NTSC: 1/60 ~ 1/10,000s	PAL: 1 ~ 1/10,000s NTSC: 1 ~ 1/10,000s	PAL: 1 ~ 1/10,000s NTSC: 1 ~ 1/10,000s
Day & night	IR cut filter		
Digital zoom	16x		
Focus model	Auto / semi-automatic / manual		
Lens			
Focal length	3.84 ~ 88.4mm, 23x	3.5 ~ 105mm, 30x	3.4 ~ 122.4mm,36x
Zoom speed	Approx.5.1s (optical Wide-Tele)	Approx.5.4s (optical Wide-Tele)	Approx.5.4s (optical Wide-Tele)
Angle of view	52.2 ~ 2.36° (Wide-Tele)	56.4 ~ 2.0° (Wide-Tele)	57.8 ~ 1.7° (Wide-Tele)
Min. working distance	10 ~ 1,200mm (Wide-Tele)	10 ~ 1,000mm (Wide-Tele)	10 ~ 1,000mm (Wide-Tele)
Aperture range	F1.6 ~ F4.5	F1.4 ~ F3.7	F1.6 ~ F4.5
Pan and tilt			
Pan range	360° endless		
Pan speed	Pan manual speed: 0.1° ~ 400°/s, pan preset speed: 540°/s		
Tilt range	-5° ~ 90° (auto flip)	-5° ~ 185° (auto mirror)	-5° ~ 185° (auto mirror)
Tilt speed	Tilt manual speed: 0.1° ~ 240°/s, tilt preset speed: 400°/s		
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples		
Number of preset	256		
Patrol	8 patrols, up to 32 presets per patrol		
Pattern	4 patterns, with the total recording time not less than 10 min		
Power loss recovery	Support		
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan		
PTZ position display	On / off		
Freeze frame	—	Support	Support
Password protection	Support		
Zone scanning / display	Scanning within programmed zone, display zone title		
Camera title	Programmable title display		
Compass	Support, the north can be set		
Scheduled task	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan		
RS-485 communication diagnosis	Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text		
Manchester code communication diagnosis	Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters		
Alarm			
Alarm input	2 (additional wires required)		
Alarm output	2 relay outputs, alarm response actions configurable (additional wires required)		
Alarm action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / relay output		
Input / output			
Monitor output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
Fiber interface (available for fiber dome only)			
Data mode	1-channel analog video and 1-channel reverse RS-485 data		
Physical interface	FC (SC optional)		
Fiber wavelength	TX1310 / RX1550nm		
Fiber type	Single fiber / single mode		
Transmission distance	20km, 40km / 60km / 80km optional		
General			
Menu language	English, Chinese		
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive		
Power supply	24 VAC (12 VDC optional)		
Power consumption	15W max. (30W max. with heater, outdoor dome)		
Working temperature / humidity	-30°C ~ 65°C (-22°F ~ 149°F) (outdoor) / -10°C ~ 50°C (14°F ~ 122°F) (indoor), 90% or less		
Protection level	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection		
Mounting	Various mounting modes optional		
Dimensions	Φ220 × 299.2mm (Φ8.66" × 11.78") (outdoor) Φ183.4 × 247mm (Φ7.22" × 9.72") (indoor) Φ245 × 240mm (Φ9.65" × 9.45") (in-ceiling)		
Weight (approx.)	5kg (11.02lbs)		

Key Features

- 1/4'' Sony Super HAD CCD
- Low illumination
- True day / night
- 3D intelligent positioning function
- Powerful PTZ control
- Programmable alarm triggering
- IP66 rating

Dimensions

Unit: mm

Accessories

DS-1614ZJ
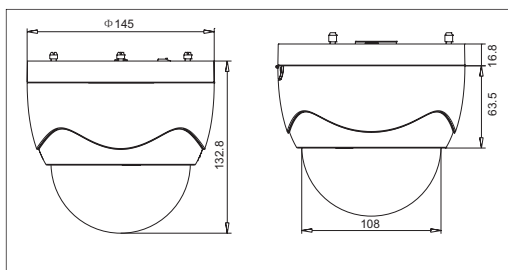(Long-arm Wall Mount Bracket)

DS-2AF1-401X   Indoor Analog High Speed Dome

Key Features

- 1/4" Sony high performance CCD
- 500 TVL high resolution
- True day / night
- 3D intelligent positioning function
- Powerful PTZ control
- Programmable alarm triggering
- 10x optical zoom

Dimensions

	DS-2AF1-401X
Camera	
Image sensor	1/4" Interline Transfer SONY CCD
Effective pixel	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Horizontal resolution	Color: 500 TVL B/W: 570 TVL
Signal system	PAL / NTSC
Min.illumination	Color: 0.7 lux@F1.8 B/W: 0.02 lux@F1.8
White balance	Auto / manual / ATW / indoor / outdoor
AGC	Auto / manual
S/N ratio	≥ 50dB
BLC	On / off
Shutter time	PAL: 1/3 ~ 1/10,000s NTSC: 1/4 ~ 1/10,000s
Day & night	IR cut filter
Digital zoom	10x
Privacy mask	4 privacy masks programmable; a maximum of 4 zones can be masked simultaneously on the same video screen
Focus model	Auto / semi-automatic / manual
Lens	
Focal length	3.8 ~ 38mm, 10x
Zoom speed	Approx.1.7s (optical Wide-Tele)
Angle of view	51.2 ~ 5.58° (Wide-Tele)
Min. working distance	10 ~ 1,000mm (Wide-Tele)
Aperture range	F1.8 ~ F2.8
Pan and tilt	
Pan range	360° endless
Pan speed	Pan manual speed: 0.1° ~ 300°/s, Pan preset speed: 400°/s
Tilt range	-2° ~ 90° (auto flip)
Tilt speed	Tilt manual speed: 0.1° ~ 90°/s, Tilt preset speed: 200°/s
Proportional zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 min
Power loss recovery	Support
Park action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
PTZ position display	On / off
Freeze frame	Support
Password protection	Support
Zone scanning / display	Scanning within programmed zone, display zone title
Camera title	Programmable title display
Compass	Support, the north can be set
Scheduled task	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
RS-485 communication diagnosis	Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text
Manchester code communication diagnosis	Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters
Alarm	
Alarm input	2 (additional wires required)
Alarm output	1 relay outputs, alarm response actions configurable (additional wires required)
Alarm action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan / relay output
Input / output	
Monitor output	1.0 V [p-p] / 75 Ω, NTSC (or PAL) composite, BNC
General	
Menu language	English, Chinese
RS-485 protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power supply	12 VDC (24 VAC optional)
Power consumption	12W max.
Working temperature / humidity	-10°C ~ 50°C (14°F ~ 122°F) (indoor), 90% or less
Mounting	Various mounting modes optional
Dimensions	Φ145 × 132.8mm (Φ5.71" × 5.23") (Indoor)
Weight (approx.)	2kg (4.41 lbs)

Accessories

DS-1671ZJ
(In-ceiling Mount Bracket)

DS-1616ZJ
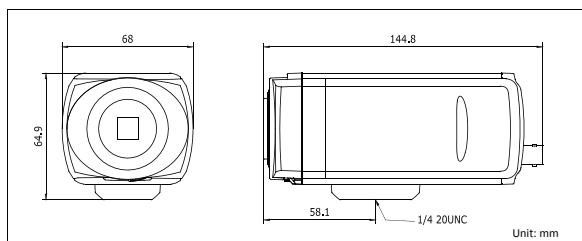(Indoor long-arm wall mount Bracket)

CAMERA

DS-2CD883F-E(W) 5 MP Network Camera

Key features

- Up to 5 megapixel resolution
- Full HD 1080P real time video
- H.264 / MPEG4 / MJPEG video compression
- 1/2.5'' progressive scan CMOS
- True day / night
- PoE

Dimensions

68

144.8

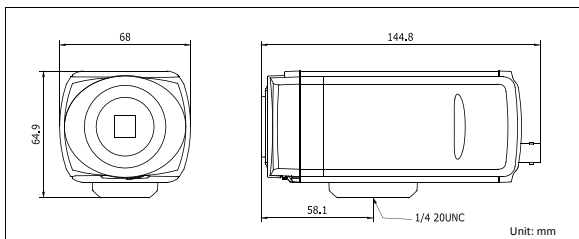64.9

58.1

1/4 20UNC

Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

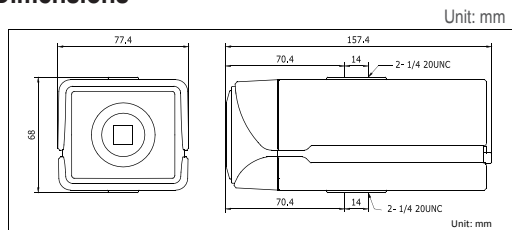| DS-2CD883F-E(W)	
Camera	
Image sensor	1/2.5" progressive scan CMOS
Min. illumination	Color: 0.6 lux@F1.2, AGC on B/W: 0.08 lux @F1.2, AGC on
Shutter time	1/25s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 kbps ~ 16 mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	2560 × 1920
Frame rate	50 Hz: 6.25 fps (2560 × 1920) 12.5 fps (2048 × 1536) 25 fps (1920 × 1080) 25 fps (1600 × 1200) 25 fps (1280 × 720) 60 Hz: 7.5 fps (2560 × 1920) 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (Line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F), humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	5W max. (8W max. with IR cut filter on) -W: 7W max. (10W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.68" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CD883F-E, DS-2CD883F-EW

DS-2CD854F-E(W)   3 MP Network Camera
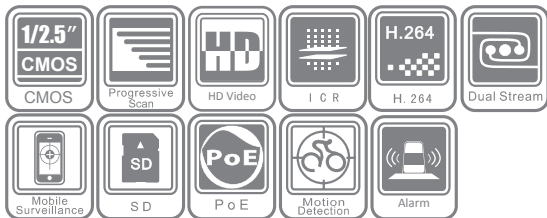
Key features

- Up to 3 megapixel resolution
- Full HD 1080P real time video
- H.264 / MPEG4 / MJPEG video compression
- 1/2.5'' progressive scan CMOS
- True day / night
- PoE

Dimensions

Accessories

DS-1212ZJ	DS-1213ZJ	DS-1311/2/3HZ	DS-1320HZ
(Indoor wall mount)	(Indoor/Outdoor Wall Mount)	(Indoor/Outdoor camera housing)	(Indoor camera housing)

Specifications

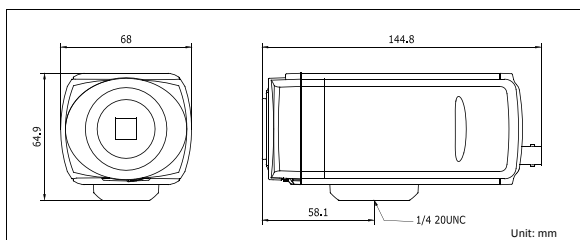|	DS-2CD854F-E(W)
Camera	
Image sensor	1/2.5" progressive scan CMOS
Min. illumination	Color: 0.6 lux@F1.2, AGC on B/W: 0.08 lux@F1.2, AGC on
Shutter time	1/25s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	2048 × 1536
Frame rate	50 Hz: 12.5 fps (2048 × 1536) 25 fps (1920 × 1080) 25 fps (1600 × 1200) 60 Hz: 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10% , PoE (802.3af)
Power consumption	5.5W max. (8.5W max. with IR cut filter on) -W: 7W max. (10W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.68" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CD854F-E, DS-2CD854F-EW

DS-2CD877BF   2 MP Network Camera

Key features

- Up to 2 megapixel resolution
- Full HD 1080P real time video
- 2/3" progressive scan CCD
- True day / night
- Up to 32 GB SD/SDHC card local storage
- Support PTZ control

Dimensions

Unit: mm

Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CD877BF
Camera	
Image sensor	2/3" progressive scan CCD
Min. illumination	0.2 lux@F1.2, AGC on
Shutter time	1/25s ~ 1/30,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	Electronic
Compression standard	
Video compression	H.264 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1920 × 1080
Frame rate	50 HZ: 25 fps (1920 × 1080) 60 HZ: 30 fps (1920 × 1080)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, video tampering, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, FTP, SIP, SRTP,802.1x, IPv6 optional)
Security	Password protection, watermark
Interface	
Audio input	1-ch 3.5 mm audio interface (2.0 ~ 2.4 Vp-p, 1 kΩ)
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet interface, 1 RS-485 interface, 1 RS-232 interface
Alarm input	4
Alarm output	3
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	15W max.
Dimensions	77.4 × 68 × 157.4 mm (3.05" × 2.68" × 6.20")
Weight	1000g (2.20 lbs)

Available models

DS-2CD877BF

DS-2CD853F-E(W)　2 MP Network Camera

1/3" CMOS	Progressive Scan	I C R	Low Light	PTZ ePTZ	PoE
Dual Stream	Mobile Surveillance	S D	Watermark	Motion Detection	Wireless
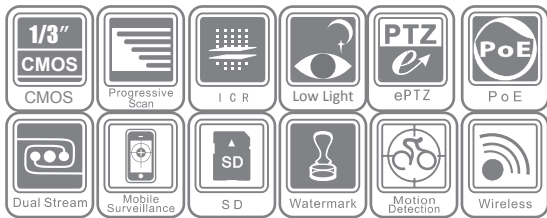
Key features

- Up to 2 megapixel resolution
- H.264 / MPEG4 / MJPEG video compression
- 1/3'' progressive scan CMOS
- True day / night
- ePTZ control
- PoE

Dimensions

58.1   1/4 20UNC

Unit: mm

Accessories

DS-1212ZJ	DS-1213ZJ	DS-1311/2/3HZ	DS-1320HZ
(Indoor wall mount)	(Indoor/Outdoor Wall Mount)	(Indoor/Outdoor camera housing)	(Indoor camera housing)
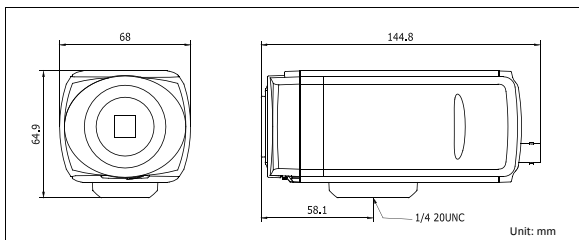
Specifications

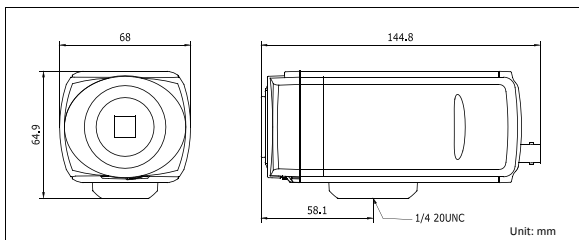|	DS-2CD853F-E(W)
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	Color: 0.5 lux@F1.2, AGC on, 0.1 lux@F1.2, AGC on, sens-up × 5 B/W: 0.05 lux@F1.2, AGC on, 0.01 lux@F1.2, AGC on, sens-up × 5
Shutter time	1/25s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1600 x 1200
Frame rate	50 Hz: 12.5 fps (1600 × 1200) 12.5 fps (1600 × 912) 25 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1600 × 1200) 15 fps (1600 × 912) 25 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	CP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset sutton	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	4.5W max. (7.5W max. with IR cut filter on) -W: 6W max. (9W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.68" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CD853F-E, DS-2CD853F-EW

DS-2CD864FWD-E   1.3 MP WDR Network Camera

Key features

- H.264 / MPEG4 / MJPEG video compression
- Up to 30 fps at 1280 x 960 resolution
- 120 dB wide dynamic range
- True day / night
- 3D digital noise reduction
- Power over ethernet

Dimensions

68
144.8
64.9
58.1
1/4 20UNC
Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CD864FWD-E
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	Color: 0.6 lux@F1.2, AGC on B/W: 0.08 lux@F1.2, AGC on
Shutter time	1/25s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Wide dynamic range	120 dB
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1280 x 960
Frame rate	50 Hz: 25 fps (1280 × 960) 25 fps (1280 x 720) 60 Hz: 30 fps (1280 × 960) 30 fps (1280 x 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, FTP, SIP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet interface, 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	5.5W max. (8.5W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.7" × 2.2" × 5.7")
Weight	500g (1.1 lbs)

Available models
DS-2CD864FWD-E

HIKVISION

DS-2CD863P(N)F-E(W)   1.3 MP Network Camera

Icons: CCD (1/3"), Progressive Scan, HD Video, ICR, H.264, Low Light, Dual Stream, Mobile Surveillance, SD, PoE, Wireless
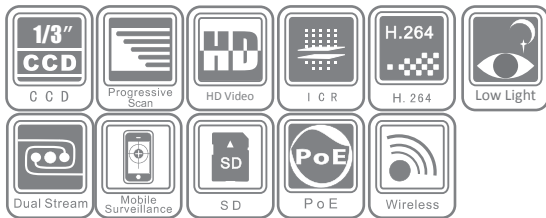
Key features

- Up to 1.3 megapixel resolution
- H.264 / MPEG4 / MJPEG video compression
- 1/3" Sony progressive scan CCD
- HD 720P real time video
- True day / night
- PoE

Dimensions

Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CD863PF-E(W) / DS-2CD863NF-E(W)
Camera	
Image sensor	1/3" Sony progressive scan CCD
Signal system	PAL / NTSC
Min. illumination	Color: 0.1 lux@F1.2, AGC on B/W: 0.01 lux@F1.2, AGC on
Shutter time	1/25 (1/30)s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1280 x 960
Frame rate	50 Hz: 12.5 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	7.5W max. (12.5W max. with IR cut filter on) -W: 9W max. (14W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.68" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

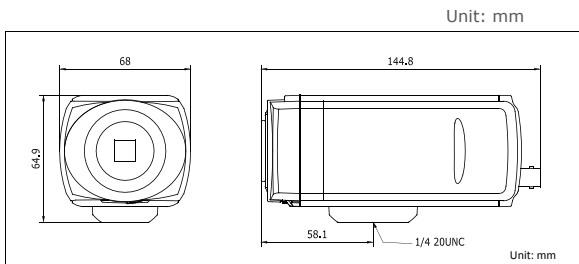DS-2CD863PF-E, DS-2CD863NF-E, DS-2CD863PF-EW, DS-2CD863NF-EW

DS-2CD893P(N)FWD-E(W)   WDR Network Camera

Key features

- Real time video at 4CIF
- H.264 / MPEG4 / MJPEG video compression
- 1/3" Sony vertical double density interline CCD
- 160x wide dynamic range
- True day / night
- PoE

Dimensions

Unit: mm

68

144.8

64.9

58.1

1/4 20UNC

Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)
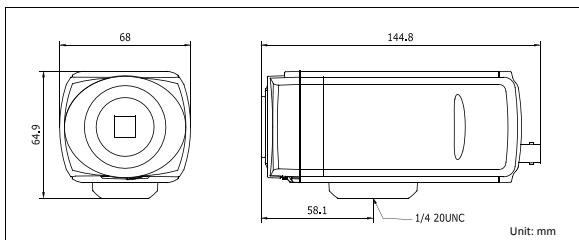
Specifications

DS-2CD893PFWD-E(W) / DS-2CD893NFWD-E(W)	
Camera	
Image sensor	1/3" Sony vertical double density interline CCD
Signal system	PAL / NTSC
Min. illumination	Color: 0.1 lux@F1.2, AGC on B/W: 0.01 lux@F1.2, AGC on
Shutter time	1/25 (1/30)s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Wide dynamic range	160x
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 8 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	PAL: 704 × 576 NTSC: 704 × 480
Frame rate	50 HZ: 25 fps (704 × 576) 60 HZ: 30 fps (704 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	5.5W max. (8.5W max. with IR cut filter on) -W: 7W max. (10W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.67" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CD893PFWD-E, DS-2CD893NFWD-E, DS-2CD893PFWD-EW, DS-2CD893NFWD-EW

DS-2CD893P(N)F-E(W) 4CIF Network Camera

Icons: CCD (1/3"), ICR, H.264, Low Light, Dual Stream, Mobile Surveillance, SD, PoE, PTZ, Alarm, Watermark, Wireless
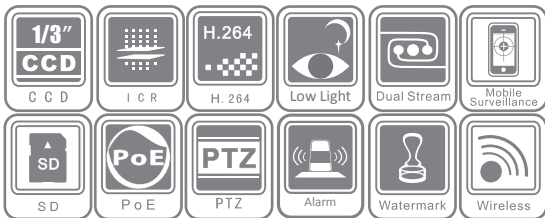
Key features

- Real time video at 4CIF
- H.264 / MPEG4 / MJPEG video compression
- High performance 1/3" Sony CCD
- Super low illumination
- True day / night
- PoE

Dimensions

Unit: mm

58.1   1/4 20UNC

Unit: mm

Accessories

| DS-1212ZJ (Indoor wall mount) | DS-1213ZJ (Indoor/Outdoor Wall Mount) | DS-1311/2/3HZ (Indoor/Outdoor camera housing) | DS-1320HZ (Indoor camera housing) |

Specifications

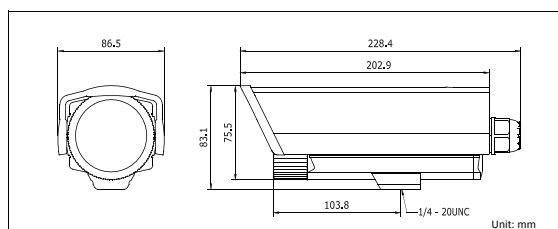| DS-2CD893PF-E(W) / DS-2CD893NF-E(W)	
Camera	
Image sensor	1/3" Sony CCD
Signal system	PAL / NTSC
Min. illumination	Color: 0.02 lux@F1.2, AGC on B/W: 0.002 lux@F1.2, AGC on
Shutter time	1/25 (1/30)s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	PAL: 704 × 576 NTSC: 704 × 480
Frame rate	50 HZ: 25 fps (704 × 576) 60 HZ: 30 fps (704 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	5.5W max. (8.5W max. with IR cut filter on) -W: 7W max. (10W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.67" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CD893PF-E, DS-2CD893NF-E, DS-2CD893PF-EW, DS-2CD893NF-EW

DS-2CD802/812P(N)F-E(W)   Network Box Camera
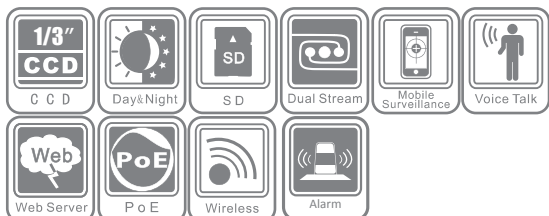
Key features

- High peiformance Sony CCD
- H.264 / MPEG4 dual stream video compression
- Support 32 GB SD/SDHC card local storage
- Day / night auto switch
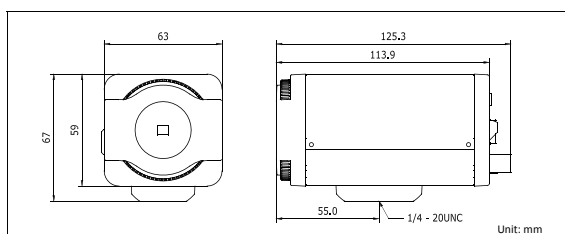
Specifications

	DS-2CD802P(N)F-E(W)	DS-2CD812P(N)F-E(W)
Camera		
Image sensor	1/3" Sony CCD	
Signal system	PAL / NTSC	
Min. illumination	0.1 lux@F1.2, ACG on	
Shutter time	1/50 (1/60)s ~ 1/100,000s	
Lens mount	C/CS mount	
Auto iris	DC/Video	
Day & night	Electronic	
Horizontal resolution	420 TVL	480 TVL
Compression standard		
Video compression	H.264 (MPEG-4 optional)	
Bit rate	32 Kbps ~ 8 Mbps	
Audio compression	OggVorbis	
Dual stream	Yes	
Image		
Max. image resolution	PAL: 704 × 576 NTSC: 704 × 480	
Frame rate	50 HZ: 25 fps (704 × 576) 60 HZ: 30 fps (704 × 480)	
Image settings	Saturation, brightness, contrast adjustable through client software or web browser	
Network		
Alarm Trigger	Motion detection	
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP/RTSP, PPPoE (FTP, SMTP, NTP, SNMP optional)	
Security	Password protection	
Security	Password protection, Watermark	
Interface		
Audio input	1-ch, 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kΩ)	
Audio output	1-ch, 3.5 mm audio interface (line level, 600 Ω)	
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface	
Alarm input	1	
Alarm output	1	
Video output	1 Vp-p composite output (75 Ω / BNC)	
Local storage	Built-in SD/SDHC slot, up to 32 GB	
Reset button	Yes	
General		
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)	
Power supply	12 VDC ± 10%, PoE (802.3af)	
Power consumption	4W max. -W: 5.5W max.	
Dimensions	63 x 67 x 125 mm (2.48" x 2.64" x 4.92")	
Weight	650g (1.43 lbs)	

Dimensions

Unit: mm

Accessories

DS-1212ZJ (Indoor wall mount)
DS-1213ZJ (Indoor/Outdoor Wall Mount)
DS-1311/2/3HZ (Indoor/Outdoor camera housing)
DS-1320HZ (Indoor camera housing)

Available models

DS-2CD802PF-E, DS-2CD802PF-W, DS-2CD812PF, DS-2CD812PF-E, DS-2CD812PF-W
DS-2CD802NF-E, DS-2CD802NF-W, DS-2CD812NF, DS-2CD812NF-E, DS-2CD812NF-W

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DS-2CD833F-E(W)   Low Light Network Camera

Key features

- Real time video at VGA (640 × 480)
- H.264 / MPEG4 / MJPEG video compression
- 1/4" progressive scan CMOS
- Super low illumination
- True day / night
- PoE

Dimensions

Unit: mm

Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)
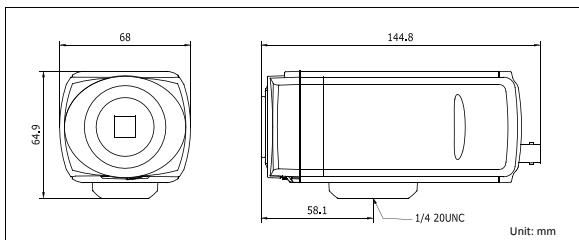
Specifications

DS-2CD833F-E(W)	
Camera	
Image sensor	1/4" progressive scan CMOS
Min. illumination	Color: 0.01 lux@F1.2, AGC on B/W: 0.001 lux@F1.2, AGC on
Shutter time	1/25s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 8 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. Image resolution	640 × 480
Frame rate	50 Hz: 25 fps (640 × 480) 60 Hz: 30 fps (640 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	1
Alarm output	1
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	4.5W max. (7.5W max. with IR cut filter on) -W: 6W max. (9W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.67" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CD833F-E, DS-2CD833F-EW

DS-2CD802/812/892P(N)-IR1/IR3/IR5 IR Bullet Network Camera

Key features

- High performance 1/3" Sony CCD
- H.264 video compression
- Dual stream real time video
- Support PTZ control
- Day / night auto switch
- IP66 rating

Dimensions

86.5 | 228.4 | 202.9 | 83.1 | 75.5 | 103.8 | 1/4 - 20UNC | Unit: mm

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)
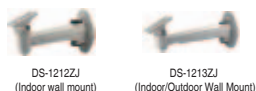
Specifications

	DS-2CD802P(N)-IR1/IR3/IR5	DS-2CD812P(N)-IR1/IR3/IR5	DS-2CD892P(N)-IR1/IR3/IR5
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR 0.2 lux@F1.8, AGC on, 0 lux with IR		
Shutter time	1/50 (1/60)s ~ 1/100,000s		
Lens	"-IR1" series: 6mm @F1.8 (2.8mm, 3.6mm optional), angle of view: 47° (6mm) "-IR3" series: 12mm @F1.8 (3.6mm, 6mm, 8mm,16mm optional) , angle of view: 22.72° (6mm) "-IR5" series: 16 mm @F1.8 (3.6mm, 6mm, 8mm,12mm optional) , angle of view: 16.4° (6mm)		
Lens mount	M12		
Day & night	Electronic		
Horizontal resolution	420 TVL	480 TVL	540 TVL
Compression standard			
Video compression	H.264 (MPEG-4 optional)		
Bit rate	32 Kbps ~ 8 Mbps		
Audio compression	OggVorbis		
Dual stream	Yes		
Image			
Max. image resolution	PAL: 704 × 576 NTSC: 704 × 480		
Frame rate	50 Hz: 25 fps (704 × 576) 60 Hz: 30 fps (704 × 480)		
Image settings	Saturation, brightness, contrast adjustable through client software or web browser		
Network			
Alarm trigger	Motion detection		
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP/RTSP, PPPoE (FTP, SMTP, NTP, SNMP optional)		
Security	Password protection		
Interface			
Audio input	1-ch, 3.5mm audio interface (2.0 - 2.4 Vp-p, 1 kΩ)		
Audio output	1-ch, 3.5mm audio interface (line level, 600 Ω)		
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface		
Alarm input	1		
Alarm output	1		
Video output	1 Vp-p composite output (75 Ω/BNC)		
General			
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)		
Power supply	12 VDC ± 10%		
Power consumption	"-IR1" series: 5.5W max. "-IR3" series: 7W max. "-IR5" series: 9W max.		
Weather proof rating	IP66		
IR range	"-IR1" series: 10 - 20m "-IR3" series: 30 - 40m "-IR5" series: 50 - 60m		
Dimensions	86.5 × 83.1 × 228.4mm (3.41" × 3.27" × 8.99")		
Weight	1400g (3.09 lbs)		

Available models

DS-2CD802P-IR1/IR3/IR5, DS-2CD802N-IR1/IR3/IR5, DS-2CD812P-IR1/IR3/IR5
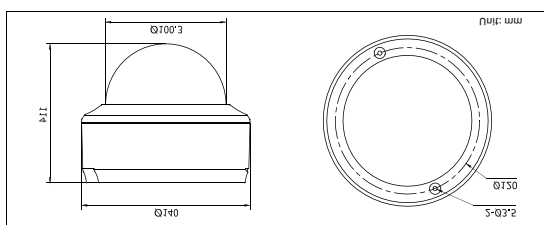DS-2CD812N-IR1/IR3/IR5, DS-2CD892P-IR1/IR3/IR5, DS-2CD892N-IR1/IR3/IR5

HIKVISION

DS-2CD8253F-EI(S)   IR Bullet Network Camera
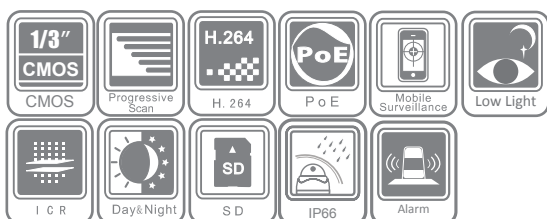
Key features

- 1/3" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 2 megapixel (1600 × 1200) resolution
- ePTZ control
- True day / night
- IP66 rating
- POE

Dimensions

Unit: mm
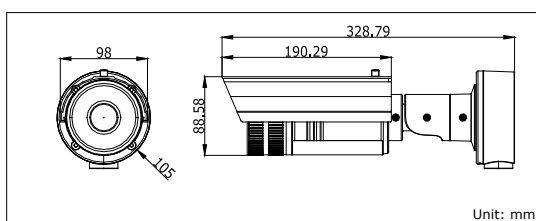
Specifications

DS-2CD8253F-EI(S)	
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.5 lux@F1.2, AGC on 0.1 lux@F1.2, AGC on, sens-up × 5 0 lux with IR
Shutter time	1/25s ~ 1/100,000 s
Lens	2.7 ~ 9mm @F1.2 Angle of view: 101° ~ 30.4°
Lens mount	Φ14
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Dual stream	Yes
Image	
Max. image resolution	1600 x 1200
Frame rate	50 Hz: 12.5 fps (1600 × 1200) 12.5 fps (1600 × 912) 25 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1600 × 1200) 15 fps (1600 × 912) 25 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, FTP, SIP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
Interface	
Communication interface	1 RJ45 10M / 100M ethernet interface
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	8.5W max.
Weather-proof rating	IP66
IR range	Approx. 20 ~ 30m
Dimensions	98 × 88.58 × 328.79 mm (3.86" ×3.49" × 12.94")
Weight	1700g (3.75 lbs)

Available models

DS-2CD8253F-EI, DS-2CD8253F-EIS

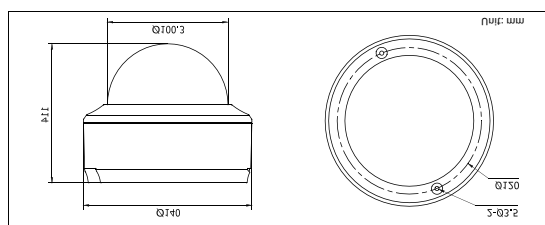"-S": is equipped with audio, alarm and RS-485 interface.

DS-2CD8254F-EI(S)   IR Bullet Network Camera
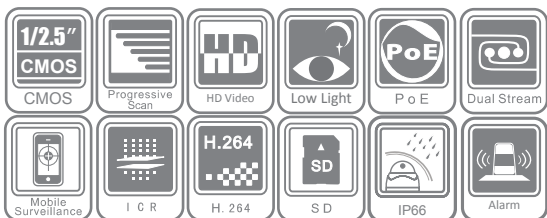
Key features

- 1/2.5" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 3 megapixel (2048 x 1536) resolution
- Full HD 1080P real time video
- True day / night
- IP66 rating

Dimensions

Unit: mm
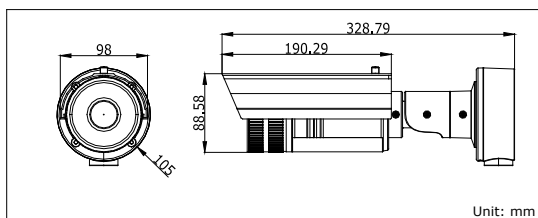
Specifications

	DS-2CD8254F-EI(S)
Camera	
Image sensor	1/2.5" progressive scan CMOS
Min. illumination	0.6 lux@F1.2, AGC on, 0 lux with IR 0.7 lux@F1.6, AGC on, 0 lux with IR
Shutter time	1/25s ~ 1/100,000s
Lens	2.7 ~ 9 mm @F1.6 Angle of view: 94.7° ~ 28.6°
Lens mount	Φ14
Auto iris	DC drive
Day & night	IR cut filter with auto switch
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps – 16 Mbps
Dual stream	Yes
Image	
Max. image resolution	2048 x 1536
Frame rate	50 Hz: 12.5 fps (2048 x 1536) 25 fps (1920 x 1080) 25 fps (1600 x 1200) 60 Hz: 15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1600 x 1200)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, FTP, SIP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
Interface	
Communication interface	1 RJ45 10M / 100M ethernet interface
Local storage	Built-in SD/SDHC slot, up to 32 GB
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	9.5W max.
Weather proof rating	IP66
IR range	Approx. 20 ~ 30m
Dimensions	98 × 88.58 × 328.79 mm (3.86" × 3.49" × 12.94")
Weight	1700g (3.75 lbs)

Available models

DS-2CD8254F-EI, DS-2CD8254F-EIS

"-S": is equipped with audio, alarm and RS-485 interface.

HIKVISION

DS-2CD783F-E(I)   5 MP Network Dome Camera

| 1/2.5" CMOS | Progressive Scan | HD Video | Low Light | H.264 | Mobile Surveillance |
| SD | PoE | PTZ | Vandalproof | 3-Axis Three Axis Adjustment | ICR |

Key features

- 1/2.5" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 5 megapixel (2560 x 1920) resolution
- Full HD 1080P real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions

Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

Specifications

	DS-2CD783F-E(I)
Camera	
Image sensor	1/2.5" progressive scan CMOS
Min. illumination	0.6 lux@F1.2, AGC on 0.7 lux@F1.6, AGC on -I: 0.6 lux@F1.2, AGC on, 0 lux with IR 0.7 lux@F1.6, AGC on, 0 lux with IR
Shutter time	1/25s ~ 1/100,000s
Lens	4.5 ~ 10 mm @F1.6 Angle of view: 71.5° ~ 33.5°
Lens mount	Φ17.5
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	2560 × 1920
Frame rate	50 Hz: 6.25 fps (2560 × 1920) 12.5 fps (2048 × 1536) 25 fps (1920 × 1080) 25 fps (1600 × 1200) 25 fps (1280 × 720) 60 Hz: 7.5 fps (2560 × 1920) 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F), humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	5.5W max. -I: 7W max. (7.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ 140 × 114 mm (Φ 5.51" × 4.49")
Weight	1400g (3.09 lbs)

Available models

DS-2CD783F-E, DS-2CD783F-EI

DS-2CD754F-E(I)   3 MP Network Dome Camera

Key features

- 1/2.5" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 3 megapixel (2048 x 1536) resolution
- Full HD 1080P real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions
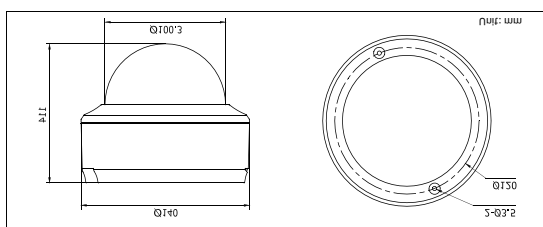
Accessories

DS-1227ZJ
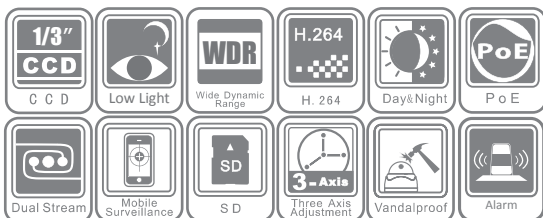(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

Specifications

	DS-2CD754F-E(I)
Camera	
Image sensor	1/2.5" progressive scan CMOS
Min. illumination	0.6 lux@F1.2, AGC on 0.7 lux@ (F1.6, AGC on -I: 0.6 lux@F1.2, AGC on, 0 lux with IR 0.7 lux@F1.6, AGC on, 0 lux with IR
Shutter time	1/25s ~ 1/100,000s
Lens	2.7 ~ 9 mm @F1.6 Angle of view: 94.7° ~ 28.6°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	2048 × 1536
Frame rate	50 Hz: 12.5 fps (2048 × 1536) 25 fps (1920 × 1080) 25 fps (1600 × 1200) 60 Hz: 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	5.5W max. -I: 7W max. (7.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx 10 to 20 meters
Dimensions	Φ 140 × 114 mm (Φ 5.51" × 4.49")
Weight	1400g (3.09 lbs)

Available models

DS-2CD754F-E, DS-2CD754F-EI

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DS-2CD754FWD-E(I)   2 MP WDR Network Dome Camera

Specifications

	DS-2CD754FWD-E(I)
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.1 lux@F1.6, AGC on -I: 0.1 lux@F1.6, AGC on, 0 lux with IR
Shutter time	1/25s ~ 1/100,000s
Lens	2.7 ~ 9 mm @F1.6 Angle of view: 101° ~ 30.4°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Wide dynamic range	120 dB
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1920 x 1080
Frame rate	50 Hz: 25 fps (1920 × 1080) 25 fps (1280 × 720) 60 Hz: 30 fps (1920 × 1080) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10% , PoE (802.3af)
Power consumption	5.5W max. -I: 7W max. (7.5W max. with IR cut filter on)
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ 140 × 114 mm (Φ 5.51" × 4.49")
Weight	1400g (3.09 lbs)

Key features

- 1/3" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 2 megapixel (1920 × 1080) resolution
- Full HD1080P real time video
- 120 dB wide dynamic range
- True day / night
- PoE
- 3-axis adjustment

1/3" CMOS	Progressive Scan	Low Light	HD Video	H.264	Wide Dynamic Range
CMOS	Progressive Scan	Low Light	HD Video	H. 264	Wide Dynamic Range

Mobile Surveillance	SD	PoE	3-Axis	PTZ	Vandalproof
Mobile Surveillance	S D	P o E	Three Axis Adjustment	PTZ	Vandalproof

Dimensions

Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

Available Models

DS-2CD754FWD-E,DS-2CD754FWD-EI

DS-2CD753F-E(I)   2 MP Network Dome Camera
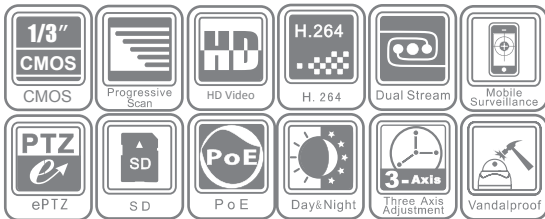
1/3" CMOS — CMOS
Progressive Scan — Progressive Scan
HD Video — HD Video
H.264 — H. 264
Dual Stream — Dual Stream
Mobile Surveillance — Mobile Surveillance
PTZ e — ePTZ
SD — S D
PoE — P o E
Day&Night — Day&Night
3-Axis — Three Axis Adjustment
Vandalproof — Vandalproof

Key features

- 1/3" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 2 megapixel (1600 x 1200) resolution
- HD 720P real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions
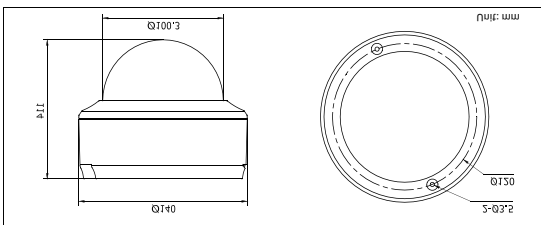
Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

Specifications

	DS-2CD753F-E(I)
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.5 lux@F1.2, AGC on, 0.1 lux@F1.2, AGC on, sens-up × 5 -I: 0.5 lux@F1.2, AGC on, 0.1 lux@F1.2, AGC on, sens-up × 5 0 lux with IR
Shutter time	1/25s ~ 1/100,000s
Lens	2.7 ~ 9 mm @F1.2 Angle of view: 101° ~ 30.4°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0°~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1600 x 1200
Frame rate	50 Hz: 12.5 fps (1600 × 1200) 12.5 fps (1600 × 912) 25 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1600 × 1200) 15 fps (1600 × 912) 25 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	4.5W max. -I: 6W max. (6.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ 140 × 114 mm (Φ 5.51" × 4.49")
Weight	1400g (3.09 lbs)

Available models

DS-2CD753F-E, DS-2CD753F-EI

DS-2CD763P(N)F-E(I) 1.3 MP Network Dome Camera

Key features

- 1/3" Sony progressive scan CCD
- H.264 / MPEG4 / MJPEG video compression
- Up to 1.3 megapixel (1280 x 960) resolution
- HD720P real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions
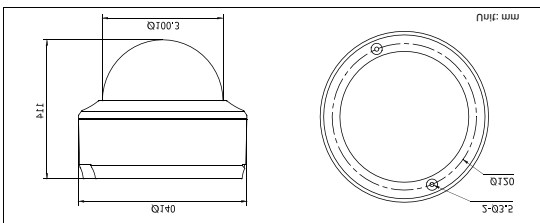
Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)
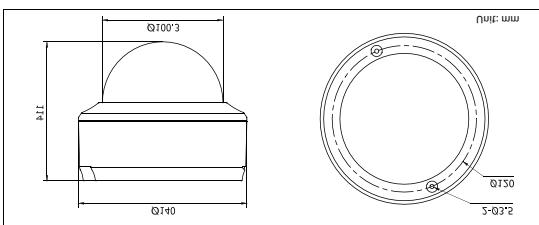
Specifications

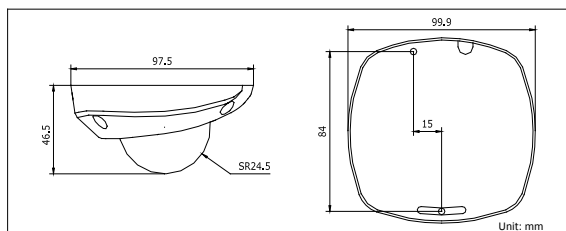| DS-2CD763PF-E(I) / DS-2CD763NF-E(I)	
Camera	
Image sensor	1/3" Sony progressive scan CCD
Signal system	PAL / NTSC
Min. illumination	0.1 lux@F1.2, AGC on -I: 0.1 lux@F1.2, AGC on, 0 lux with IR
Shutter time	1/25 (1/30)s ~ 1/100,000s
Lens	2.7 ~ 9 mm @F1.2 Angle of view: 101° ~ 30.4°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1280 x 960
Frame rate	50 Hz: 12.5 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F – 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	7.5W max. -I: 9W max. (9.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ 140 × 114 mm (Φ 5.51" × 4.49")
Weight	1400g (3.09 lbs)

Available models

DS-2CD763PF-E, DS-2CD763NF-E, DS-2CD763PF-EI, DS-2CD763NF-EI

DS-2CD793P(N)FWD-E(I) 4CIF WDR Network Dome Camera
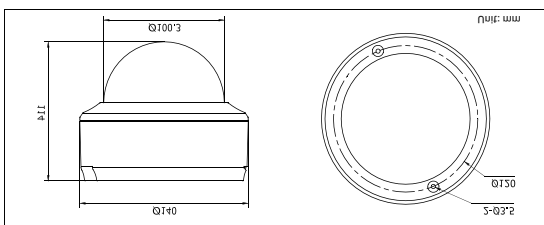
Specifications

	DS-2CD793PFWD-E(I) / DS-2CD793NFWD-E(I)
Camera	
Image sensor	1/3" Sony vertical double density interline CCD
Signal system	PAL / NTSC
Min. illumination	0.1 lux@F1.2, AGC on 0.14 lux@F1.4, AGC on -I: 0.1 lux@F1.2, AGC on, 0 lux with IR 0.14 lux @F1.4, AGC on, 0 lux with IR
Shutter time	1/25 (1/30)s ~ 1/100,000s
Lens	2.8 ~ 11 mm @F1.4 Angle of view: 97° ~ 24°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Wide dynamic range	160x
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps – 8 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	PAL: 704 × 576, NTSC: 704 × 480
Frame rate	50 Hz: 25 fps (704 × 576) 60 Hz: 30 fps (704 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10% , PoE (802.3af)
Power consumption	5.5W max. -I: 7W max. (7.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ140 × 114 mm (Φ5.51" × 4.49")
Weight	1400g (3.09 lbs)

Key features

- 1/3" Sony vertical double density interline CCD
- H.264 / MPEG4 / MJPEG video compression
- 160x wide dynamic range
- 4CIF real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions

Available models

DS-2CD793PFWD-E, DS-2CD793NFWD-E, DS-2CD793PFWD-EI, DS-2CD793NFWD-EI

Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

HIKVISION

DS-2CD793P(N)F-E(I)   4CIF Network Dome Camera
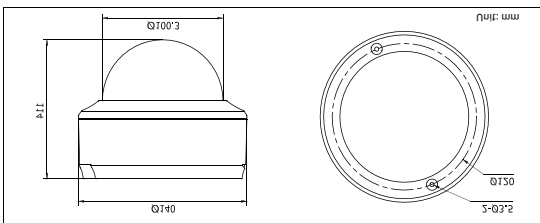
Specifications

	DS-2CD793PF-E(I) / DS-2CD793NF-E(I)
Camera	
Image sensor	1/3" Sony CCD
Signal system	PAL / NTSC
Min. illumination	0.02 lux@F1.2, AGC on, 0.027 lux@F1.4, AGC on -I: 0.02 lux@F1.2, AGC on, 0 lux with IR 0.027 lux@F1.4, AGC on, 0 lux with IR
Shutter time	1/25 (1/30)s ~ 1/100,000s
Lens	2.8 ~ 11 mm @F1.4 Angle of view: 97° ~ 24°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic (-I: IR cut filter with auto switch)
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 8 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	PAL: 704 × 576, NTSC: 704 × 480
Frame rate	50 Hz: 25 fps (704 × 576) 60 Hz: 30 fps (704 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10% , PoE (802.3af)
Power consumption	5.5W max. -I: 7W max. (7.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ140 × 114 mm (Φ5.51" × 4.49")
Weight	1400g (3.09 lbs)

Key features

- High performance 1/3" Sony CCD
- H.264 / MPEG4 / MJPEG video compression
- Super low illumination
- 4CIF real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions

Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

Available models

DS-2CD793PF-E, DS-2CD793NF-E, DS-2CD793PF-EI, DS-2CD793NF-EI

DS-2CD702/712P(N)F-E   Network Dome Camera

1/3" CCD	H.264	Low Light	Dual Stream	Mobile Surveillance	SD
PoE	Motion Detection	Day&Night	Three Axis Adjustment	PTZ	Alarm

Key features

- High performance 1/3" Sony CCD
- H.264 video compression
- Low illumination: 0.1 lux
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions

Unit: mm
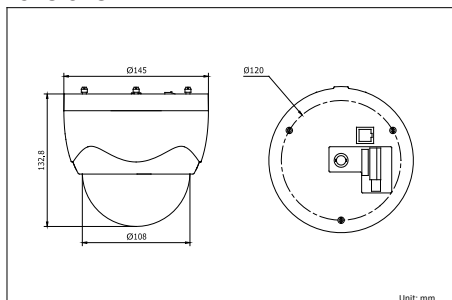
Accessories

DS-1611ZJ
(Wall Mount)

DS-1671ZJ
(In-ceiling Mount)

Specifications

	DS-2CD702PF (NF) -E	DS-2CD712PF (NF) -E
Camera		
Image sensor	1/3" Sony CCD	
Signal system	PAL / NTSC	
Min. illumination	0.1 lux@F1.2, AGC on	
Shutter time	1/50 (1/60)s ~ 1/100,000s	
Lens	3.5 ~ 9 mm @F1.2 Angle of view: 80° ~ 30°	
Lens mount	Φ14	
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 75°, rotation: 0 ~ 180°	
Day & night	Electronic	
Horizontal resolution	420 TVL	480 TVL
Compression standard		
Video compression	H.264 (MPEG-4 optional)	
Bit rate	32 Kbps ~ 8 Mbps	
Audio compression	OggVorbis	
Dual stream	Yes	
Image		
Max. image resolution	PAL: 704 × 576, NTSC: 704 × 480	
Frame rate	50 Hz: 25 fps (704 × 576) 60 Hz: 30 fps (704 × 480)	
Image settings	Saturation, brightness, contrast adjustable through client software or web browser	
Network		
Network storage	NAS (iSCSI optional)	
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception	
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)	
Security	Password protection, watermark	
System compatibility	ONVIF, PSIA, CGI	
Interface		
Audio input	1-ch, line level, 2.0 ~ 2.4 Vp-p, 1 kΩ	
Audio output	1-ch, line level, 600 Ω	
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface	
Alarm input	1	
Alarm output	1	
Video output	1 Vp-p composite output (75 Ω / BNC)	
Local storage	Built-in SD/SDHC slot, up to 32 GB	
General		
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)	
Power supply	12 VDC ± 10%, PoE (802.3af)	
Power consumption	4W max.	
Dimensions	Φ 145 × 132.8 mm (Φ 5.71" × 5.23")	
Weight	900g (1.98 lbs)	

Available models

DS-2CD702PF-E, DS-2CD702NF-E, DS-2CD712PF-E, DS-2CD712NF-E

DS-2CD733F-E(I)   VGA Network Dome Camera
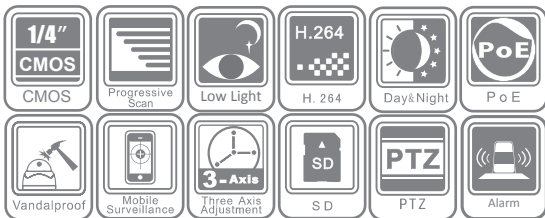
|					
1/4" CMOS	Progressive Scan	Low Light	**H.264** H. 264	Day&Night	**PoE** P o E
Vandalproof	Mobile Surveillance	**3-Axis** Three Axis Adjustment	**SD** S D	**PTZ** P T Z	Alarm

Key features

- 1/4" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
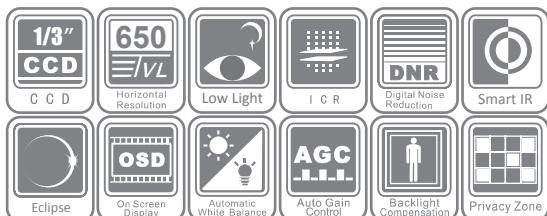- Super low illumination
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions

Accessories

DS-1227ZJ
(Indoor in-ceiling mount)

DS-1229ZJ
(Vandal-proof wall mount)

Specifications

	DS-2CD733F-E(I)
Camera	
Image sensor	1/4" progressive scan CMOS
Min. illumination	0.01 lux@F1.2, AGC on 0.014 lux@F1.4, AGC on -I: 0.01 lux@F1.2, AGC on, 0 lux with IR 0.014 lux@F1.4, AGC on, 0 lux with IR
Shutter time	1/25s ~ 1/100,000s
Lens	2.8 ~ 11 mm @F1.4 Angle of view: 70° ~ 18°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Day & night	Electronic(-I: IR cut filter with auto switch)
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 8 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	640 × 480
Frame rate	50 Hz: 25 fps (640 × 480) 60 Hz: 30 fps (640 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, network disconnect , IP address conflict, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch microphone input, 3.5 mm mini-jack
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
Alarm input	2
Alarm output	2
Video output	1 Vp-p composite output (75 Ω / RCA)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	4.5W max. -I: 6W max. (6.5W max. with IR cut filter on)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IR range	-I: approx. 10 ~ 20m
Dimensions	Φ 140 × 114 mm (Φ 5.51" × 4.49")
Weight	1400g (3.09 lbs)

Available Models

DS-2CD733F-E, DS-2CD733F-EI

DS-2CD7153-E   2 MP Network Mini Dome Camera

Key features

- 1/3" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 2 megapixel resolution
- HD 720P real time video
- Day / night auto switch
- PoE
- 3-axis adjustment

Dimensions

Unit: mm

Specifications

	DS-2CD7153-E
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.5 lux@F1.2, AGC on, 0.1 lux@F1.2, AGC on, sens-up × 5 1.1 lux@F1.8, AGC on, 0.2 lux@F1.8, AGC on, sens-up × 5
Shutter time	1/25s ~ 1/100,000s
Lens	4 mm @F1.8 (2.8, 6, 8mm optional) Angle of view: 71°
Lens mount	M12
Angle adjustment	Pan: ± 15°, tilt: 0 ~ 90°, rotation: ± 15°
Day & night	Electronic
Compression standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Dual stream	Yes
Image	
Max. image resolution	1600 x 1200
Frame rate	50 Hz: 12.5 fps (1600 × 1200) 12.5 fps (1600 × 912) 25 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1600 × 1200) 15 fps (1600 × 912) 25 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Communication interface	1 RJ45 10M / 100M ethernet port
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	4W max.
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
Weather-proof rating	IP66
Dimensions	99.9 × 97.5 × 46.5 mm (3.93" × 3.84" × 1.83")
Weight	250g (0.55 lbs)

Available models

DS-2CD7153-E

DS-2CD7133-E   VGA Network Mini Dome Camera
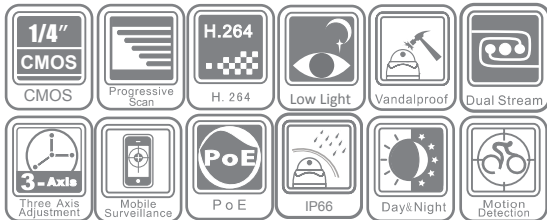
Key features

- 1/4" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Super low illumination
- Day / night auto switch
- PoE
- IP66 rating
- 3-axis adjustment

Dimensions

Unit: mm
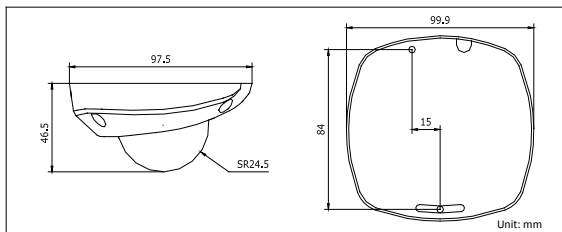
Specifications

DS-2CD7133-E	
Camera	
Image sensor	1/4" progressive scan CMOS
Min. illumination	0.01 lux@F1.2, AGC on 0.02 lux@F1.8, AGC on
Shutter time	1/25s ~ 1/100,000s
Lens	4 mm @F1.8 (2.8, 6, 8mm optional) Angle of view: 54.9°
Lens mount	M12
Angle adjustment	Pan: ± 15°, tilt: 0 ~ 90°, rotation: ± 15°
Day & night	Electronic
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 8 Mbps
Dual stream	Yes
Image	
Max. image resolution	640 × 480
Frame rate	50 Hz: 25 fps (640 × 480) 60 Hz: 30 fps (640 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Communication interface	1 RJ45 10M / 100M ethernet port
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%, PoE (802.3af)
Power consumption	4W max.
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10
Weather-proof rating	IP66
Dimensions	99.9 × 97.5 × 46.5 mm (3.93" × 3.84" × 1.83")
Weight	250g (0.55 lbs)

Available Models

DS-2CD7133-E

DS-2CD8153F-E   2 MP Network Cube Camera

1/3" CMOS — CMOS
Progressive Scan — Progressive Scan
HD Video — HD Video
H.264 — H. 264
PTZ ePTZ — ePTZ
SD — S D
Dual Stream — Dual Stream
Mobile Surveillance — Mobile Surveillance
PoE — P o E
Voice Talk — Voice Talk
Alarm — Alarm
Watermark — Watermark

Key features

- 1/3" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Up to 2 megapixel resolution
- HD 720P real time video
- Day / night auto switch
- PoE
- ePTZ control

Dimensions

Unit: mm

Specifications

	DS-2CD8153F-E
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.5 lux@F1.2, AGC on, 0.1 lux@F1.2, AGC on, sens-up × 5 1.1 lux@F1.8, AGC on, 0.2 lux@F1.8, AGC on, sens-up × 5
Shutter time	1/25s ~ 1/100,000s
Lens	4 mm @F1.8 Angle of view: 71°
Lens mount	M12
Day & night	Electronic
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	1600 x 1200
Frame rate	50 Hz: 12.5 fps (1600 × 1200) 12.5 fps (1600 × 912) 25 fps (1280 × 960) 25 fps (1280 × 720) 60 Hz: 15 fps (1600 × 1200) 15 fps (1600 × 912) 25 fps (1280 × 960) 30 fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio	Internal microphone and speaker
Communication interface	1 RJ45 10M / 100M ethernet port
Local storage	Built-in Micro SD slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%. PoE (802.3af)
Power consumption	4W max. -W: 5.5W max.
Dimensions	70.4 × 110 × 47.6mm (2.77" × 4.33" × 1.87")
Weight	250g (0.55 lbs)

Available models

DS-2CD8153F-E

DS-2CD8133F-E VGA Network Cube Camera
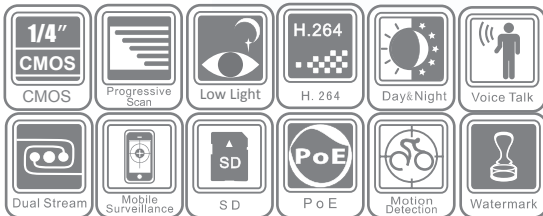
Key features

- 1/4" progressive scan CMOS
- H.264 / MPEG4 / MJPEG video compression
- Super low illumination
- Day / night auto switch
- PoE

Dimensions

Unit: mm
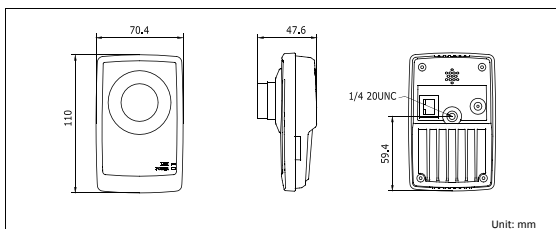
Specifications

	DS-2CD8133F-E
Camera	
Image sensor	1/4" progressive scan CMOS
Min. illumination	0.01 lux@F1.2, AGC on 0.02 lux@F1.8, AGC on
Shutter time	1/25s to 1/100,000s
Lens	4 mm @F1.8 Angle of view: 54.9°
Lens mount	M12
Day & night	Electronic
Compression Standard	
Video compression	H.264 / MPEG4 / MJPEG
Bit rate	32 Kbps ~ 8 Mbps
Audio compression	G.711
Dual stream	Yes
Image	
Max. image resolution	640 × 480
Frame rate	50 Hz: 25 fps (640 × 480) 60 Hz: 30 fps (640 × 480)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS (iSCSI optional)
Alarm trigger	Motion detection, storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP (SNMP, HTTPS, SIP, FTP, SRTP, 802.1x, IPv6 optional)
Security	Password protection, watermark
System compatibility	ONVIF, PSIA, CGI
Interface	
Audio input	1-ch 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kΩ)
Audio output	1-ch 3.5 mm audio interface (line level, 600 Ω)
Communication interface	1 RJ45 10M / 100M ethernet interface, 1 RS-485 interface, 1 RS-232 interface
Alarm input	4
Alarm output	3
Video output	1 Vp-p composite output (75 Ω / BNC)
Local storage	Built-in SD/SDHC slot, up to 32 GB
Reset button	Yes
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	5 VDC ± 10%, PoE (802.3af)
Power consumption	4W max. -W: 5.5W max.
Dimensions	110 × 70 × 33mm (4.33" × 2.76" × 1.30")
Weight	250g (0.55 lbs)

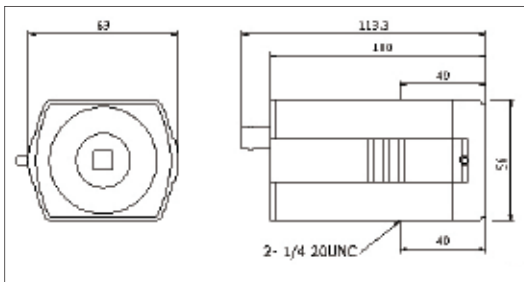## Available models

DS-2CD8133F-E

DS-2CC1191P-A High Definition Box Camera

Key Features

- 1/3" Sony EXVIEW HAD CCD II
- 650 TVL high resolution
- Super low illumination
- True day / night
- Smart IR
- Digital wide dynamic range

Dimensions
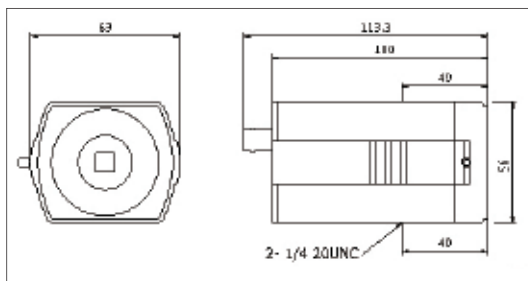
Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

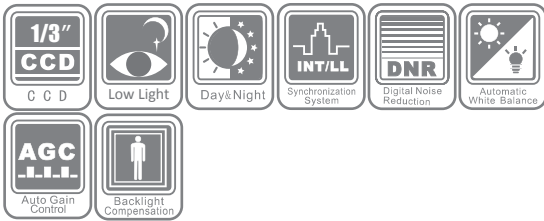|	DS-2CC1191P-A
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL
Effective pixels	976 (H) × 582 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on B/W: 0.0001 lux@F1.2, AGC on
Shutter time	1/50s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto1 / auto2 / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto Control
Private mask	On / off, maximum 8 zones
Motion detection	Mode 1 / mode 2 / off
BLC	Area / value / off
RS-485	Address / protocol / baud rate
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, mirror, defect pixel correction
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	5W max. (10W max. with IR cut filter on)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400g (0.88 lbs)

Available models

DS-2CC1191P-A

DS-2CC1193P(N)-A   High Definition Box Camera

Specifications

	DS-2CC1193P(N)-A
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	Color: 0.01 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / power synchronization
Video output	1Vp-p composite output (75Ω / BNC)
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto1 / auto2 / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Private mask	On / off, maximum 12 zones
Motion detection	Mode 1 / mode 2 / off
BLC	Area / value / off
RS-485	Address / protocol / baud rate
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, defect pixel correction
Scene	Indoor standard , indoor backlight , outdoor, low illumination , IR standard , customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	5W max. (10W max. with IR cut filter on)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400g (0.88 lbs)

Key Features

- 1/3" Sony EXVIEW HAD CCD II
- Low illumination
- 3D digital noise reduction
- Digital wide dynamic range
- True day / night
- Smart IR
- OSD menu

Available models

DS-2CC1193P-A, DS-2CC1193N-A

Dimensions

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

DS-2CC1195P(N)-A Low Light Box Camera
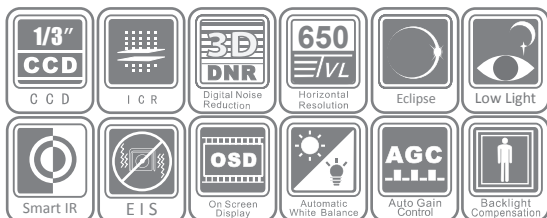
Key Features

- 1/3" Sony EXVIEW HAD CCD II
- Super low illumination
- 3D digital noise reduction
- True day / night
- Smart IR
- OSD menu

Dimensions
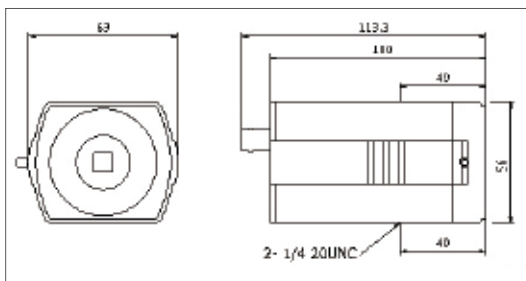
Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)
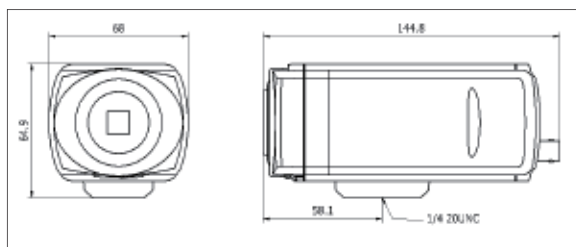
DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CC1195P(N)-A
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.0001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto1 / auto2 / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto Control
Private mask	On / off, maximum 12 zones
Motion detection	Mode 1 / mode 2 / off
BLC	Area / value / off
RS-485	Address / protocol / baud Rate
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, defect pixel correction
Scene	Indoor standard , indoor backlight , outdoor, low illumination , IR standard , customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	5W max. (10W max. with IR cut filter on)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400g (0.88 lbs)

Available models

DS-2CC1195P-A, DS-2CC1195N-A

DS-2CC1197P-A WDR Box Camera

1/3" CCD	WDR Wide Dynamic Range	650 /VL Horizontal Resolution	Low Light	I C R	3D DNR Digital Noise Reduction
E I S	OSD On Screen Display	Automatic White Balance	AGC Auto Gain Control	Backlight Compensation	Motion Detection
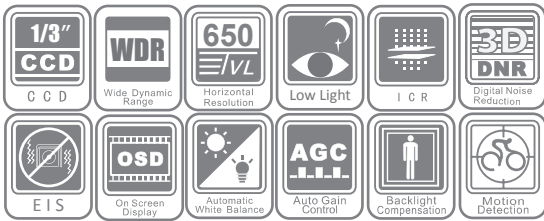
Key Features

- 1/3" Sony Super HAD CCD II
- 650 TVL high resolution
- Super low illumination
- 75dB wide dynamic range
- 3D digital noise reduction
- True day / night
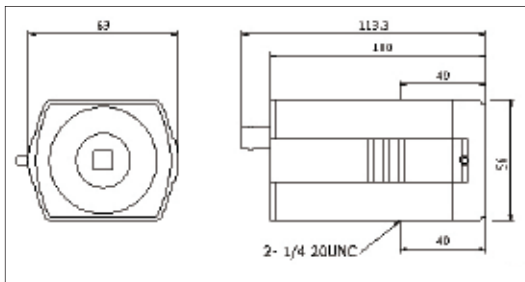
Specifications

	DS-2CC1197P-A
Camera	
Image sensor	1/3" Sony Super HAD CCD II
Signal system	PAL
Effective pixels	976 (H) × 582 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.0001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512
Shutter time	1/50s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Wide dynamic range	75dB
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75Ω / BNC)
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto1 / auto2 / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Private mask	On / off, maximum 12 zones
Motion detection	Mode 1 / mode 2 / off
BLC	Area / value / off
WDR	Value / contrast / return
RS-485	Address / protocol / baud rate
Anti-flicker	On / off
Language	English / Chinese
Video	Digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, defect pixel correction
Scene	Indoor standard , indoor backlight , outdoor, low illumination , customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24VAC ± 10%, 12VDC ± 10% (-C series support 100 ~ 240 VAC)
Power consumption	5W max. (10W max. with IR cut filter on)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400g (0.88 lbs)

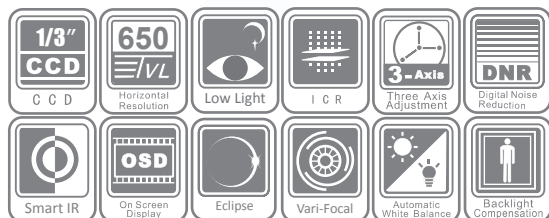## Dimensions

Available models

DS-2CC1197P-A

Accessories

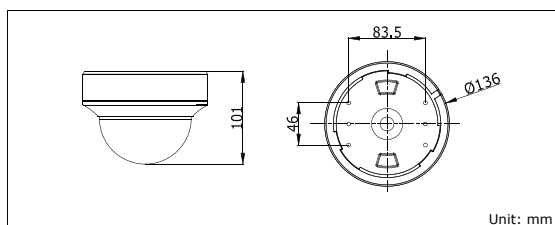| DS-1212ZJ (Indoor wall mount) | DS-1213ZJ (Indoor/Outdoor Wall Mount) | DS-1311/2/3HZ (Indoor/Outdoor camera housing) | DS-1320HZ (Indoor camera housing) |

DS-2CC1198P-A   High Definition Box Camera
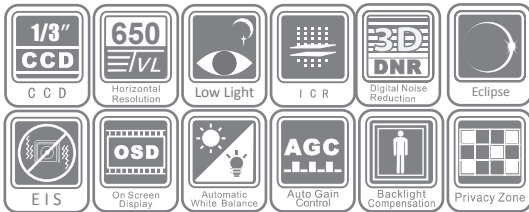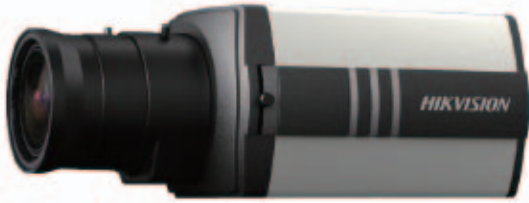
Key Features

- 1/3" Sony EXVIEW HAD CCD II
- 650 TVL high resolution
- Super low illumination
- True day / night
- Excessive highlight compensation
- 3D digital noise reduction

Dimensions

Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CC1198P-A
Camera	
Image sensor	1/3" SONY EXView HAD CCD II
Signal system	PAL
Effective pixels	976 (H) × 582 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.0001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512
Shutter time	1/50s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto1 / auto2 / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Private mask	On / off, maximum 12 zones
Motion detection	Mode 1 / mode 2 / off
BLC	Area / value / off
HLC	Compensation intensity
RS-485	Address / protocol / baud rate
Anti-flicker	On / off
Language	English / Chinese
Video	Digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, defect pixel correction
Scene	Indoor backlight , outdoor backlight
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10% (-C series support 100 ~ 240 VAC)
Power consumption	5W max. (10W max. with IR cut filter on)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400g (0.88 lbs)

Available models

DS-2CC1198P-A

HIKVISION

DS-2CC1112/1172P(-A)   Box Camera

| | 1/3" CCD
C C D | Low Light | Day & Night | INT/LL
Synchronization System | DNR
Digital Noise Reduction | Automatic White Balance |
| AGC
Auto Gain Control | Backlight Compensation | | | | |

Key Features

- 1/3" Sony Super HAD CCD II
- Low illumination
- Digital wide dynamic range
- Digital noise reduction
- Day / night auto switch

Specifications

	DS-2CC1112P(-A)	DS-2CC1172P(-A)
Camera		
Image sensor	1/3" Sony Super HAD CCD II	
Signal system	PAL	
Effective pixels	752 (H) × 582 (V)	
Min. illumination	0.1 lux@F1.2, AGC on	
Shutter time	1/50s ~ 1/100,000s	
Lens mount	C/CS mount	
Auto iris	DC/Video drive	
Day & night	Electronic	
Horizontal resolution	480 TVL	540 TVL
Synchronization	Internal synchronization (-A series support Internal / Power synchronization)	
Video output	1Vp-p composite output (75 Ω / BNC)	
S/N ratio	More than 52dB	
General		
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)	
Power supply	12 VDC ± 10% (-A series support 24 VAC ± 10%, 12 VDC ± 10%)	
Power consumption	2W max. (-A series: 3W max.)	
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")	
Weight	400g (0.88 lbs)	

Available models

DS-2CC1112P, DS-2CC1112P-A, DS-2CC1172P, DS-2CC1172P-A

Dimensions

Accessories

| DS-1212ZJ
(Indoor wall mount) | DS-1213ZJ
(Indoor/Outdoor Wall Mount) | DS-1311/2/3HZ
(Indoor/Outdoor camera housing) | DS-1320HZ
(Indoor camera housing) |
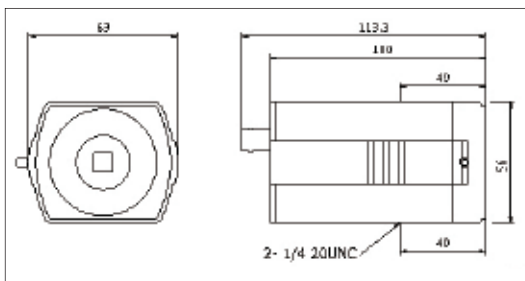
DS-2CC1192P(N)(-A)   Low Light Box Camera
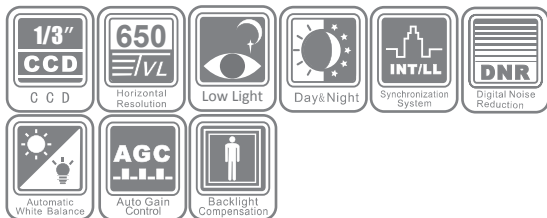
Key Features

- 1/3" Sony EXVIEW HAD CCD II
- 650 TVL high resolution
- Super low illumination
- Digital wide dynamic range
- Digital noise reduction
- Day / night auto switch

Specifications

	DS-2CC1192P(N)(-A)
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	0.001 lux@F1.2, AGC on
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	Electronic
Horizontal resolution	650 TVL
Synchronization	Internal synchronization (-A series support Internal / Power synchronization)
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 62dB
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10% (-A series support 24 VAC ± 10%, 12 VDC ± 10%)
Power consumption	2W max. (-A series support 3W max.)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400g (0.88 lbs)

Available models

DS-2CC1192P, DS-2CC1192N, DS-2CC1192P-A, DS-2CC1192N-A

Dimensions
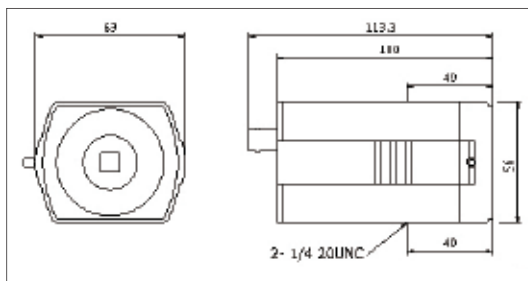
Accessories

DS-1212ZJ
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

HIKVISION

DS-2CC176P-A(-C)   Box Camera
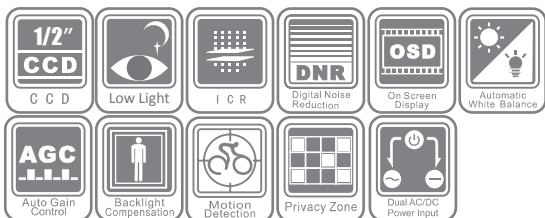
Key Features

- 1/2" Sony EXVIEW HAD CCD
- 540 TVL resolution
- Super low illumination
- OSD menu
- Digital noise reduction
- True day / night
- Highlight compensation

Dimensions

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CC176P-A(-C)
Camera	
Image sensor	1/2" Sony EXVIEW HAD CCD
Signal system	PAL
Effective pixels	752 (H) × 582 (V)
Min. illumination	Color: 0.003 lux@F1.2, AGC on, 0.00002 lux@F1.2, AGC on, sens-up × 256 B/W: 0.0003 lux@F1.2, AGC on, 0.000002 lux@F1.2, AGC on, sens-up × 256
Shutter time	1/50s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 540 TVL, B/W: 600 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 50dB
Menu	
Camera ID	On / off (15 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto1 / auto2 / day / night
Auto white balance	Auto trace WB1 / auto trace WB2 / manual / auto Control
Private mask	On / off, maximum 8 zones
Motion detection	Mode 1 / mode 2 / off
Anti-flicker	On / off
RS-485	Address / protocol / baud Rate
Language	English / Chinese
Video	Gamma correction, digital zoom, digital noise reduction, POS/NEG, mirror, resolution, sharpness, Y, C, blemish detection
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10% (-C series support 100 - 240 VAC)
Power consumption	5W (10W max. with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.68" × 2.56" × 5.70")
Weight	500g (1.10 lbs)

Available models

DS-2CC176P-A, DS-2CC176P-C

DS-2CC102P(N)(-A) Mini Box Camera

Key Features

- 1/3" Sony CCD
- 420 TVL resolution
- Low illumination
- Compact design
- Day / night auto switch

Dimensions

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CC102P(N)(-A)
Camera	
Image sensor	1/3" Sony CCD
Signal system	PAL / NTSC
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)
Min. illumination	0.1 lux@F1.2, AGC on
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens mount	C/CS mount
Auto iris	DC/Video drive
Day & night	Electronic
Horizontal resolution	420 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output(75 Ω / BNC)
S/N ratio	More than 48dB
BLC	On / Off
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10% (-A series support 12 VDC ± 10%, 24 VAC ± 10%)
Power consumption	2W max. (-A series 3.5W max.)
Dimensions	63 × 67 × 125.3 mm (2.48" × 2.64" × 4.93")
Weight	550g (1.21 lbs)

Available models

DS-2CC102P , DS-2CC102P-A, DS-2CC102N, DS-2CC102N-A
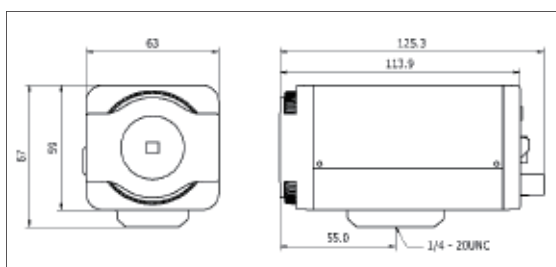
DS-2CC5191P(N)-VF Vari-focal Dome Camera

Key Features

- 1/3" Sony EXViEW HAD CCD II
- 650 TVL high resolution
- Super low illumination
- True day / night
- Smart IR
- 3-axis adjustment

Dimensions

Unit: mm

Specifications

	DS-2CC5191P(N)-VF
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on, B/W: 0.0001 lux@F1.2, AGC on Color: 0.0014 lux@F1.4, AGC on, B/W: 0.00014 lux@F1.4, AGC on
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4 Angle of view: 92° ~ 27.2°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 180°, rotation: 0 ~ 355°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC) Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto Control
Private mask	On / off, maximum 8 zones
Motion detection	On / off
BLC	Area / value / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, mirror, defect pixel correction
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	4W max. (4.5W max. with IR cut filter on)
Dimensions	Φ 136 × 101 mm (Φ 5.35" × 3. 98")
Weight	800g (1.76 lbs)

Available models

DS-2CC5191P-VF, DS-2CC5191N-VF

DS-2CC5193P-VF Vari-focal Dome Camera

Key Features

- High performance Sony CCD
- Low illumination
- OSD menu
- True day / night
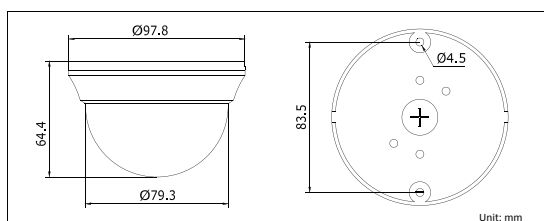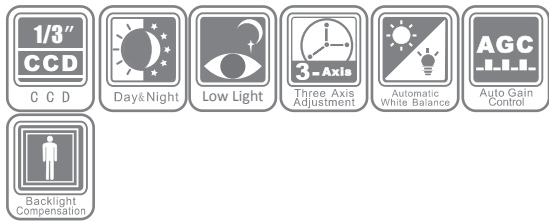- 3D digital noise reduction
- 3-axis adjustment
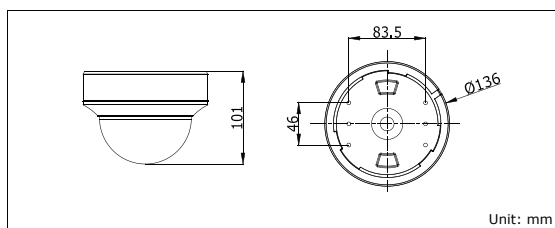
Specifications

	DS-2CC5193P-VF
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL
Effective pixels	976 (H) × 582 (V)
Min. illumination	Color: 0.01 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512 Color: 0.014 lux@F1.4, AGC on, 0.00014 lux@F1.4, AGC on, sens-up × 512 B/W: 0.0014 lux@F1.4, AGC on, 0.000014 lux@F1.4, AGC on, sens-up × 512
Shutter time	1/50s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4 Angle of view: 92° ~ 27.2°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 180°, rotation: 0 ~ 355°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC) Test monitor out [1Vp-p composite output (75 Ω / BNC), device line
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Private mask	On / off, maximum 12 zones
Motion detection	On / off
BLC	Area / value / off
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, blemish detection
Scene	Indoor standard, indoor backlight, outdoor, low illumination, IR standard, customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	4W max. (4.5W max. with IR cut filter on)
Dimensions	Φ 136 × 101 mm (Φ 5.35" × 3. 98")
Weight	800g (1.76 lbs)

Available models

DS-2CC5193P-VF

Dimensions

Unit: mm

DS-2CC5195P(N)-VF Low Light Dome Camera

Key Features

- High performance Sony CCD
- Super low illumination
- OSD menu
- True day / night
- 3D digital noise reduction
- 3-axis adjustment

Dimensions

Unit: mm
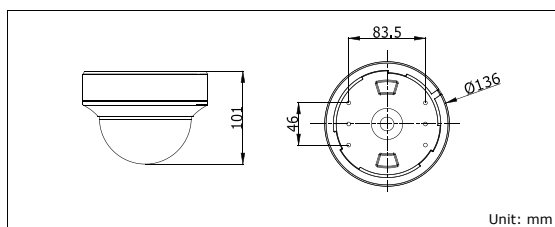
Specifications

	DS-2CC5195P(N)-VF
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.0001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512 Color: 0.0014 lux@F1.4, AGC on, 0.00014 lux@F1.4, AGC on, sens-up × 512 B/W: 0.00014 lux@F1.4, AGC on, 0.000014 lux@F1.4, AGC on, sens-up × 512
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens	2.8 ~ 12mm @F1.4 Angle of view: 92° ~ 27.2°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 180°, rotation: 0 ~ 355°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC) Test monitor out [1Vp-p composite output (75 Ω / BNC), device line
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Private mask	On / off, maximum 12 zones
Motion detection	On / off
BLC	Area / value / off
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, blemish detection
Scene	Indoor standard, indoor backlight, outdoor, low illumination, IR standard, customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	4W max. (4.5W max. with IR cut filter on)
Dimensions	Φ 136 × 101 mm (Φ 5.35" × 3. 98")
Weight	800g (1.76 lbs)

Available models

DS-2CC5195P-VF, DS-2CC5195N-VF

DS-2CC5197P-VF　WDR Dome Camera
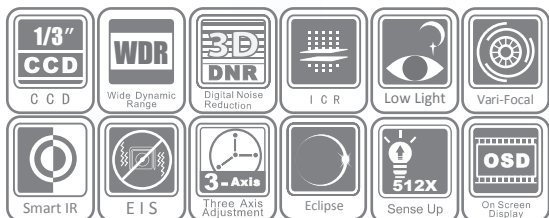
Key Features

- High performance Sony CCD
- 75dB wide dynamic range
- Super low illumination
- True day / night
- 3D digital noise reduction
- 3-axis adjustment

Dimensions

Unit: mm
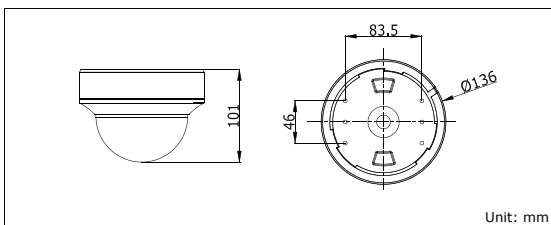
Specifications

	DS-2CC5197P-VF
Camera	
Image sensor	1/3" Sony Super HAD CCD II
Signal system	PAL
Effective pixels	976 (H) × 582 (V)
Min. illumination	Color: 0.001 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.0001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512 Color: 0.0014 lux@F1.4, AGC on,0.00014 lux@F1.4, AGC on, sens-up × 512 B/W: 0.00014 lux@F1.4, AGC on, 0.000014 lux@F1.4, AGC on, sens-up × 512
Shutter time	1/50s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4 Angle of view: 92° ~ 27.2°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 180°, rotation: 0 ~ 355°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Wide dynamic range	75 dB
Synchronization	Internal / Power synchronization
Video output	1Vp-p composite output (75 Ω / BNC) Test monitor out [1Vp-p composite output (75 Ω / BNC), device line
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto Control
Private mask	On / off, maximum 12 zones
Motion detection	On / off
BLC	Area / value / off
WDR	Value / contrast / return
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, excessive highlight compensation, digital noise reduction, sharpness, brightness, saturation, resolution, electronic image stabilization, digital zoom, mirror, blemish detection
Scene	Indoor standard, indoor backlight, outdoor, low illumination, customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Power consumption	4W max. (4.5W max. with IR cut filter on)
Dimensions	Φ 136 × 101 mm (Φ 5.35" × 3. 98")
Weight	800g (1.76 lbs)

Available models

DS-2CC5197P-VF

DS-2CC5132P(N) DIS Dome Camera

Specifications

	DS-2CC5132P(N)
Camera	
Image sensor	1/4" DIS
Signal system	PAL / NTSC
Effective pixels	640 (H) × 480 (V)
Min. illumination	0.1 lux@F1.2, AGC on 0.28 lux@F2.0, AGC on
Shutter time	PAL: 1/25s ~ 1/15,000s NTSC: 1/30s ~ 1/15,000s
Lens	2.8mm @F1.8 (3.6mm, 6mm, 8mm, 16mm optional) Angle of view: 66 (2.8mm)
Lens mount	M12
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 90°, rotation: 0 ~ 355°
Day & night	Electronic
Horizontal Rresolution	500 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 52dB
General	
Operating conditions	-40°C ~ 70°C (-40°F ~ 158°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	1W max.
Dimensions	Φ 97.8 x 64.4 mm (Φ 3.85" x 2.54")
Weight	300g (0.66 lbs)

Key Features

- 1/4" DIS
- 500 TVL resolution
- Low illumination
- Day / night auto switch
- 3-axis adjustment
- Compact design
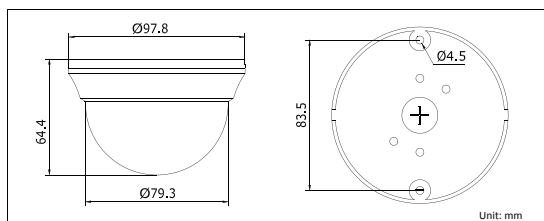
Available models

DS-2CC5132P, DS-2CC5132N

Dimensions

Ø97.8
64.4
Ø79.3
83.5
Ø4.5
Unit: mm

DS-2CC5112/5172P   Dome Camera
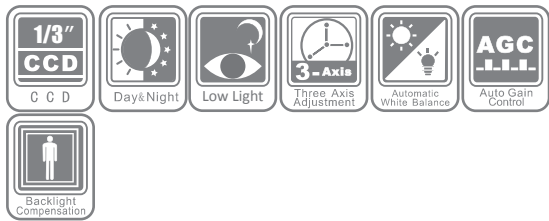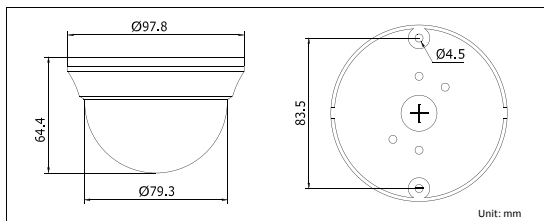
Specifications

	DS-2CC5112P	DS-2CC5172P
Camera		
Image sensor	1/3" Sony Super HAD CCD II	
Signal system	PAL	
Effective pixels	752 (H) × 582 (V)	
Min. illumination	0.1 lux@F1.2, AGC on 0.28 lux@F2.0, AGC on	
Shutter time	1/50s ~ 1/100,000s	
Lens	3.6mm @F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm optional) Angle of view: 78° (3.6mm)	
Lens mount	M12	
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 90°, rotation: 0 ~ 355°	
Day & night	Electronic	
Horizontal resolution	480 TVL	540 TVL
Synchronization	Internal synchronization	
Video output	1Vp-p composite output (75 Ω / BNC); Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]	
S/N ratio	More than 52dB	
General		
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)	
Power supply	12 VDC ± 10%	
Power consumption	2W max.	
Dimensions	Φ 97.8 x 64.4mm (Φ 3.85" x 2.54")	
Weight	300g (0.66 lbs)	

Available models

DS-2CC5112P, DS-2CC5172P

Key Features

- High performance Sony CCD
- Low illumination
- Day / night auto switch
- 3-axis adjustment
- Compact design

1/3" CCD — C C D

Day&Night

Low Light

3-Axis — Three Axis Adjustment

Automatic White Balance

AGC — Auto Gain Control

Backlight Compensation

Dimensions

Ø97.8

64.4

Ø79.3

83.5

Ø4.5

Unit: mm

DS-2CC5192P(N)   Low Light Dome Camera
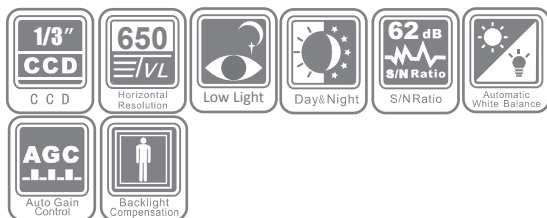
Specifications

	DS-2CC5192P(N)
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	0.001 lux@F1.2, AGC on 0.0028 lux@F2.0, AGC on
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens	3.6mm @F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm optional) Angle of view: 78° (3.6mm)
Lens mount	M12
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 90°, rotation: 0 ~ 355°
Day & night	Electronic
Horizontal resolution	650 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75 Ω / BNC); Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]
S/N ratio	More than 62 dB
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	2W max.
Dimensions	Φ 97.8 x 64.4 mm (φ 3.85" x 2.54")
Weight	300g (0.66 lbs)

Key Features

- 1/3" Sony EXVIEW HAD CCD II
- 650 TVL high resolution
- Super low illumination
- Day / night auto switch
- 3-axis adjustment
- Compact design

Available models

DS-2CC5192P, DS-2CC5192N

Dimensions

Ø97.8

64.4

Ø79.3

83.5

Ø4.5

Unit: mm

DS-2CC5102P(N)　Dome Camera

Key Features

- High performance Sony CCD
- Low illumination
- Day / night auto switch
- 3-axis adjustment
- Compact design
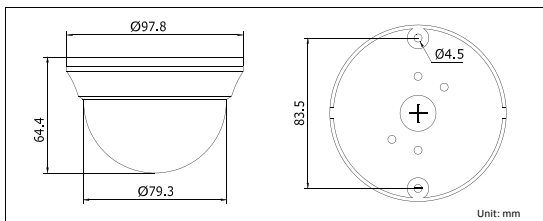
Specifications

	DS-2CC5102P(N)
Camera	
Image sensor	1/3" Sony Super HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)
Min. illumination	0.1 lux@F1.2, AGC on 0.28 lux@F2.0, AGC on
Shutter time	1/50s ~ 1/100,000s
Lens	3.6mm @F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm optional) Angle of view: 78° (3.6mm)
Lens mount	M12
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 90°, rotation: 0 ~ 355°
Day & night	Electronic
Horizontal resolution	420 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75 Ω / BNC); Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]
S/N ratio	More than 50dB
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	2W max.
Dimensions	Φ 97.8 x 64.4 mm (φ 3.85" x 2.54")
Weight	300g (0.66 lbs)

Available models

DS-2CC5102P, DS-2CC5102N

Dimensions

Ø97.8
64.4
Ø79.3
83.5
Ø4.5
Unit: mm

DS-2CC5173P(N)-VP(IR)(H)　Vandal-proof Dome Camera
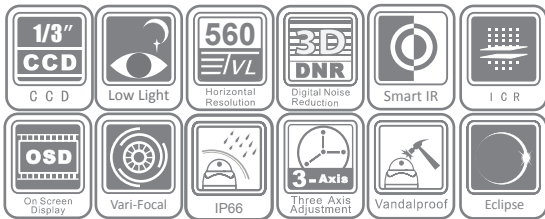
Key Features

- 1/3" Sony Super HAD CCD II
- 560 TVL resolution
- Low illumination
- True day / night
- 3-axis adjustment
- IP66 rating

Dimension

```
85.3          Ø145.3
124.7                85.3
R50
Unit: mm

85.3          Ø145.3
124.2                85.3
R50
Unit: mm
```

Accessorie

DS-1229ZJ	DS-1240ZJ	DS-1242ZJ	DS-1243ZJ
(Vandal-proof wall mount)	(Tilted wall-mount)	(Unify Pendant mount)	(Unify Pendant mount)
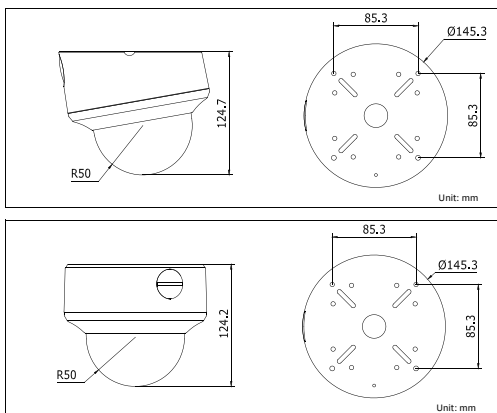
Specifications

DS-2CC5173P(N)-VP(IR)(H)	
Camera	
Image sensor	1/3" Sony Super HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	Color: 0.1 lux@F1.2, AGC on, 0.0003 lux@F1.2, AGC on, sens-up × 256 Color: 0.14 lux@F1.4, AGC on, 0.0004 lux@F1.4, AGC on, sens-up × 256 B/W: 0.01 lux@F1.2, AGC on, 0.00003 lux@F1.2, AGC on, sens-up × 256 B/W: 0.014 lux@F1.4, AGC on, 0.00004 lux@F1.4, AGC on, sens-up × 256 -IR: 0.1 lux@F1.2, AGC on, 0.0003 lux@F1.2, AGC on, sens-up × 256, 0 lux with IR 0.14 lux@F1.4, AGC on, 0.0004 lux@F1.4, AGC on, sens-up × 256, 0 lux with IR
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4, Angle of view: 92° ~ 27.2°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 80°, rotation: ± 90°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 560 TVL, B/W: 600 TVL
Synchronization	Internal / power synchronization
Video output	1Vp-p composite output (75 Ω / BNC); Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]
S/N ratio	More than 52 dB
Menu	
Camera ID	On / off (15 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Privacy mask	On / off, maximum 8 zones
Motion detection	On / off
BLC	Area / value / off
HLS	On / off
Digital WDR	Indoor / outdoor / off
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, gamma correction, digital zoom, digital noise reduction, POS / NEG, mirror, sharpness, Y, C, blemish detection
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~ 140°F) with heater and fan on
Power supply	24 VAC ± 10%, 12 VDC ± 10% -H: 24 VAC ± 10%
Weather-proof rating	IP66
Heater	-H: support
IR range	-IR: approx. 20 ~ 30m
Power consumption	4W max. -IR: 12W max. -H: 16W max. -IRH: 24W max.
Impact protection	IEC60068-2-75 test, Eh, 50J; EN50102, up to IK10.
Dimensions	Φ 145.3 × 124.2 mm (Φ 5.72" × 4.89")
Weight	2000g (4.40 lbs)

Available models

DS-2CC5173P-VP, DS-2CC5173P-VPIR, DS-2CC5173P-VPH, DS-2CC5173P-VPIRH
DS-2CC5173N-VP, DS-2CC5173N-VPIR, DS-2CC5173N-VPH, DS-2CC5173N-VPIRH

DS-2CC5193P-VP(IR)(H) Vandal-proof Dome Camera
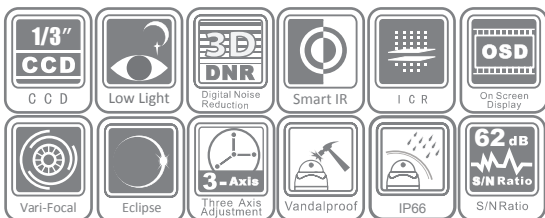
Key Features

- 1/3" Sony EXVIEW HAD CCD II
- Low illumination
- True day / night
- 3-axis adjustment
- 3D digital noise reduction
- IP66 rating

Dimensions

Unit: mm

Unit: mm

Accessories

DS-1229ZJ
(Vandal-proof wall mount)

DS-1240ZJ
(Tilted wall-mount)

DS-1242ZJ
(Unify Pendant mount)

DS-1243ZJ
(Unify Pendant mount)
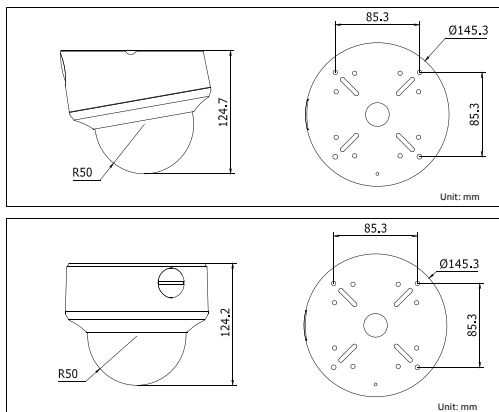
Specifications

	DS-2CC5193P(N)-VP(IR)(H)
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V), NTSC: 976 (H) × 494 (V)
Min. illumination	Color: 0.01 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512 Color: 0.014 lux@F1.4, AGC on, 0.00014 lux@F1.4, AGC on, sens-up × 512 B/W: 0.001 lux@F1.2, AGC on, 0.00001 lux@F1.2, AGC on, sens-up × 512 B/W: 0.0014 lux@F1.4, AGC on, 0.000014 lux@F1.4, AGC on, sens-up × 512 -IR: 0.01 lux@F1.2, AGC on, 0.0001 lux@F1.2, AGC on, sens-up × 512, 0 lux with IR 0.014 lux@F1.4, AGC on, 0.00014 lux@F1.4, AGC on, sens-up × 512, 0 lux with IR
Shutter time	PAL: 1/50s ~ 1/100,000s, NTSC: 1/60s ~ 1/100,000s
Lens	2.8 ~ 12mm @F1.4 , Angle of view: 92° ~ 27.2°
Lens mount	Φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 355°, tilt: 0 ~ 80°, rotation: ± 90°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 650 TVL, B/W: 700 TVL
Synchronization	Internal / power synchronization
Video output	1Vp-p composite output (75 Ω / BNC); Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]
S/N ratio	More than 62dB
Menu	
Camera ID	On / off (16 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto 1 / auto 2 / day / night
White balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Privacy mask	On / off, maximum 12 zones
Motion detection	On / off
BLC	Area / value / off
HLS	On / off
Digital WDR	On / off
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive highlight compensation, gamma correction, digital zoom, digital noise reduction, POS / NEG, mirror, sharpness, Y, C, blemish detection
Scene	Indoor standard, Indoor backlight, outdoor, low illumination, IR standard, customize
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F), Humidity 90% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~ 140°F) with heater and fan on
Power supply	24 VAC ± 10%, 12 VDC ± 10% (-H: 24 VAC ± 10%)
Weather-proof rating	IP66
Heater	-H: support
IR range	-IR: approx. 20 ~ 30m
Power consumption	5W max. -IR: 13W max. -H: 17W max. -IRH: 25W max.
Impact protection	IEC60068-2-75 test, Eh, 50J; EN50102, up to IK10.
Dimensions	Φ 145.3 × 124.2 mm (Φ 5.72" × 4.89")
Weight	2000g (4.40 lbs)

Available models

DS-2CC5193P-VP, DS-2CC5193P-VPIR, DS-2CC5193P-VPH, DS-2CC5193P-VPIRH
DS-2CC5193N-VP, DS-2CC5193N-VPIR, DS-2CC5193N-VPH, DS-2CC5193N-VPIRH

DS-2CC502/512/592P(N)-FB   Vandal-proof Dome Camera

Specifications

	DS-2CC502P(N)-FB	DS-2CC512P(N)-FB	DS-2CC592P(N)-FB
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	0.1 lux@F1.2, AGC on 0.18 lux@F1.6, AGC on		
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s		
Lens	4 ~ 9 mm @F1.6 Angle of view: 74.6° ~ 32°		
Lens mount	Φ14		
Angle adjustment	Pan: 0 ~ 355°; tilt: 0 ~ 90°;		
Day & night	Electronic		
Horizontal resolution	420 TVL	480 TVL	540 TVL
Synchronization	Internal synchronization		
Video output	1Vp-p composite output (75 Ω / BNC)		
S/N ratio	More than 48dB		
BLC	On		
General			
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)		
Power supply	12 VDC ± 10%		
Power consumption	2W max.		
Impact protection	IEC 60068-2-75 test, Eh, 50J; EN 50102, up to IK10.		
Dimensions	Φ 145 × 92 mm (Φ 5.71" × 3.62")		
Weight	660g (1.46 lbs)		

Available models

DS-2CC502P-FB, DS-2CC502N-FB, DS-2CC512P-FB, DS-2CC512N-FB, DS-2CC592P-FB, DS-2CC592N-FB

Key Features

- Compact design
- 1/3" Sony CCD
- Day / night auto swith
- Low illumination
- Auto white balance,auto gain control,electronic shitter control and blacklight compensation
- Internal synchronization

Dimensions

Unit: mm

DS-2CC511/591P(N)-A   Vari-focal Dome Camera

| 1/3" CCD | Low Light | Three Axis Adjustment | Day&Night | Backlight Compensation | Automatic White Balance |
| AGC Auto Gain Control | Dual AC/DC Power Input | Vari-Focal | | | |
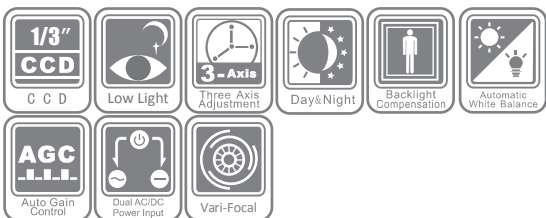
Key Features

- Compact design
- 1/3" Sony CCD
- Low Illumination
- Day / night with auto switch
- Auto white balance, auto gain control, electronic shutter control and backlight compensation

Dimensions

Unit: mm
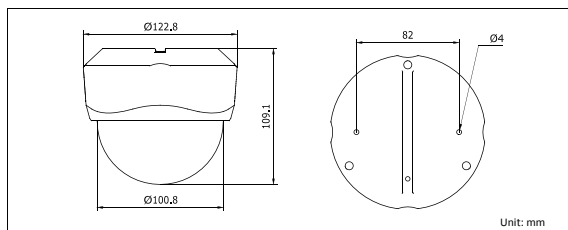
Specifications

	DS-2CC511P(N)-A	DS-2CC591P(N)-A
Camera		
Image sensor	1/3" Sony CCD	
Signal system	PAL / NTSC	
Effective pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	
Min. illumination	0.1 lux@F1.2, AGC on	
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s	
Lens	3.5 ~ 9mm @F1.2 (2.8 ~ 11mm optional) Angle of view: 80° ~ 30° (3.5 ~ 9mm)	
Lens mount	Φ14	
Auto iris	DC Drive	
Angle adjustment	Pan: 0 ~ 355°; tilt: 0 ~ 80°; rotation: 0 ~ 140°	
Day & night	Electronic	
Horizontal resolution	480 TVL	540 TVL
Synchronization	Internal synchronization	
Video output	1Vp-p composite output (75 Ω / BNC)	
S/N ratio	More than 48dB	
BLC	On / off	
General		
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)	
Power supply	24 VAC ± 10%, 12 VDC ± 10%	
Power consumption	3.5W max.	
Dimensions	Φ 122.8 × 109.1 mm (Φ 4.83" × 4.30")	
Weight	400g (0.88 lbs)	

Available models

DS-2CC511P-A, DS-2CC511N-A, DS-2CC591P-A, DS-2CC591N-A

DS-2CC102/112/192P(N)-IR IR Bullet Camera
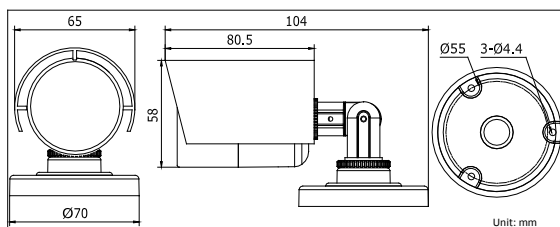
Specifications

	DS-2CC102P(N)-IR	DS-2CC112P(N)-IR	DS-2CC192P(N)-IR
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR 0.2 lux@F1.8, AGC on, 0 lux with IR		
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s		
Lens	6 mm @F1.8 (3.6mm, 2.8mm optional) Angle of view: 47° (6mm)		
Lens mount	M12		
Day & night	Electronic		
Horizontal resolution	420 TVL	480 TVL	540 TVL
Synchronization	Internal synchronization		
Video output	1Vp-p composite output (75Ω / BNC)		
S/N ratio	More than 48dB		
BLC	On		
General			
Operating conditions	-10 °C ~ 60 °C (14 °F ~ 140 °F) Humidity 90% or less (non-condensing)		
Power supply	12 VDC ± 10%		
Power consumption	3W max.		
Weather-proof rating	IP66		
IR range	Approx. 10 ~ 20m		
Dimensions	Φ 65 × 104mm (Φ 2.56" × 4.09")		
Weight	250g (0.55 lbs)		

Icons

1/3" CCD — C C D
Low Light
Day & Night
Automatic White Balance
AGC — Auto Gain Control
Backlight Compensation
IP66

Key Features

- Compact design
- 1/3" Sony CCD
- Low illumination
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- IP66 rating

Available models

DS-2CC102P-IR, DS-2CC102N-IR, DS-2CC112P-IR, DS-2CC112N-IR, DS-2CC192P-IR, DS-2CC192N-IR

Dimensions

65
104
80.5
Ø55   3-Ø4.4
58
Ø70
Unit: mm

DS-2CC102/112/192P(N)-IR3/IR5　IR Bullet Camera

Key Features

- Compact design
- 1/3" Sony CCD
- Low illumination
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- IP66 rating

Dimensions
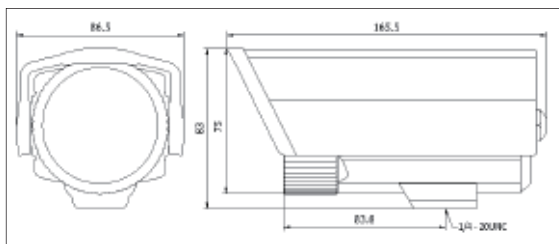
Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Outdoor wall mount)

Specifications

	DS-2CC102P(N)-IR3(IR5)	DS-2CC112P(N)-IR3(IR5)	DS-2CC192P(N)-IR3(IR5)
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR 0.2 lux@F1.8, AGC on, 0 lux with IR		
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s		
Lens	"-IR3" series: 12mm @F1.8 (3.6mm, 6mm, 8mm, 16mm optional), Angle of view: 22.72° (12mm) "-IR5" series: 16mm @F1.8 (3.6mm, 6mm, 8mm, 12mm optional), Angle of view: 16.4° (16mm)		
Lens mount	M12		
Day & night	Electronic		
Horizontal resolution	420 TVL	480 TVL	540 TVL
Synchronization	Internal synchronization		
Video output	1Vp-p composite output (75Ω / BNC)		
S/N ratio	More than 48 dB		
BLC	On		
General			
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)		
Weather-proof rating	IP66		
IR range	"-IR3" series: approx. 30 ~ 40m "-IR5" series: approx. 50 ~ 60m		
Power supply	12 VDC ± 10%		
Power consumption	IR3: 6W max IR5: 8W max		
Dimensions	Φ 86.5 × 83 × 165.5 mm (Φ 3.41" × 3.27" × 6.52")		
Weight	1000g (2.20 lbs)		

Available models

DS-2CC102P-IR3, DS-2CC102N-IR3, DS-2CC102P-IR5, DS-2CC102N-IR5, DS-2CC112P-IR3, DS-2CC112N-IR3, DS-2CC112P-IR5, DS-2CC112N-IR5, DS-2CC192P-IR3, DS-2CC192N-IR3, DS-2CC192P-IR5, DS-2CC192N-IR5
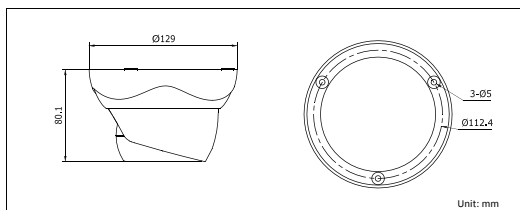
HIKVISION

DS-2CC102/112/192P(N)-IRA   IR Bullet Camera

1/3" CCD — C C D

Low Light

Day & Night

Automatic White Balance

AGC — Auto Gain Control

Backlight Compensation

IP66

Key Features

- Compact design
- 1/3" Sony CCD
- Low illumination
- Up to 110m IR range
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- IP66 rating

Dimensions

```
116.8    255.1
97.3

121.9   23.5   23.5   3- 1/4 20UNC

Unit: mm
```
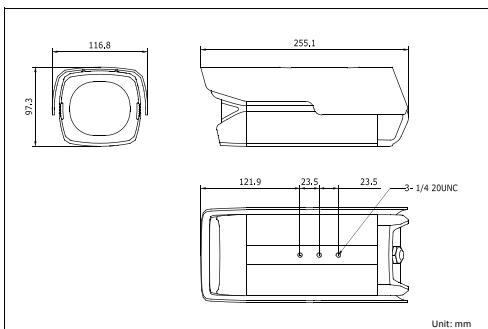
Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Outdoor wall mount)

Specifications

	DS-2CC102P(N)-IRA	DS-2CC112P(N)-IRA	DS-2CC192P(N)-IRA
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR 0.14 lux@F1.4, AGC on, 0 lux with IR		
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s		
Lens	25 mm @F1.4 (16mm optional) Angle of view: 13.5° (25mm)		
Lens mount	CS mount		
Day & night	Electronic		
Horizontal resolution	420 TVL	480 TVL	540 TVL
Synchronization	Internal synchronization		
Video output	1Vp-p composite output (75Ω / BNC)		
S/N ratio	More than 48 dB		
BLC	On		
General			
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)		
Power supply	24 VAC ± 10% (12 VDC ± 10% optional)		
Power consumption	15W max.		
Weather-proof rating	IP66		
IR range	Approx. 100 ~ 110m		
Dimensions	116.8 × 97.3 × 255.1 mm (4.60" × 3.83" × 10.04")		
Weight	2500g (5.50 lbs)		

Available models

DS-2CC102P-IRA, DS-2CC102N-IRA, DS-2CC112P-IRA
DS-2CC112N-IRA, DS-2CC192P-IRA, DS-2CC192N-IRA

DS-2CC102/112/192P(N)-IRT IR Bullet Camera

Key Features

- 1/3" Sony CCD
- Vari-focal lens with auto focus. wireless remote with zooming function
- Compact structure design
- Minimum illumination: 0.1lux @ F1.2 (0 lux with IR)
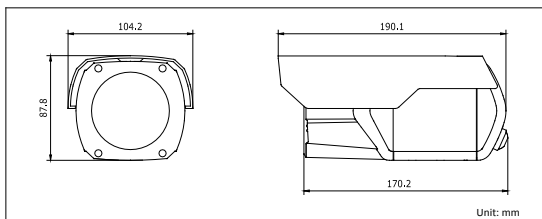
Specifications

	DS-2CC102P(N)-IRT	DS-2CC112P(N)-IRT	DS-2CC192P(N)-IRT
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. Illumination	0.1 lux @ (F1.2, AGC on), 0 lux with IR 0.2 lux @ (F1.8, AGC on), 0 lux with IR		
Shutter Time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s		
Lens	4 - 9 mm @ F1.8 (5 ~ 15 mm optional), adjusted by remote control Angle of view: 60° ~ 30° (4 ~ 9 mm)		
Lens Mount	Φ14		
Day & Night	Electronic		
Horizontal Resolution	420 TVL	480 TVL	540 TVL
Synchronization	Internal synchronization		
Video Output	1 Vp-p composite output (75Ω /BNC)		
S/N Ratio	More than 48 dB		
BLC	On		
General			
Operating Conditions	-10 °C ~ 60 °C (14 °F ~ 140 °F) Humidity 90% or less (non-condensing)		
Power Supply	12 VDC ± 10%, 24 VAC ± 10%		
Power Consumption	Max. 1 W		
Weather Proof Rating	IP66		
IR Range	Approx 30 to 40 meters		
Dimensions	104.2 × 87.8 × 190.1 mm (4.10" × 3.46" × 7.48")		
Weight	1000g (2.20 lbs)		

Available models

DS-2CC102P-IRT, DS-2CC102N-IRT, DS-2CC112P-IRT
DS-2CC112N-IRT, DS-2CC192P-IRT, DS-2CC192N-IRT

Dimensions

Unit: mm

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Outdoor wall mount)

HIKVISION

DS-2CC1132P(N)-IR   IR Weather-proof DIS Bullet Camera
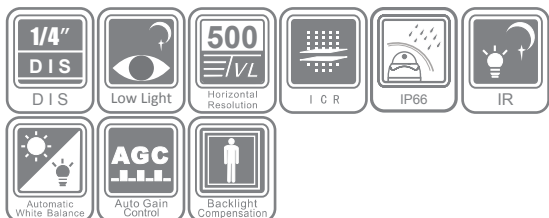
1/4" DIS | **Low Light** | **500 Horizontal Resolution** | **I C R** | **IP66** | **IR**

Automatic White Balance | **AGC Auto Gain Control** | **Backlight Compensation**

Key Features

- 1/4" DIS
- 500TVL resolution
- 20m IR range
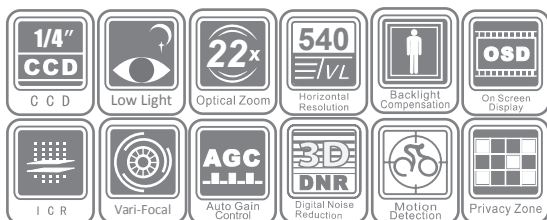- Low illumination
- True day / night
- IP66 rating

Dimensions

Unit: mm
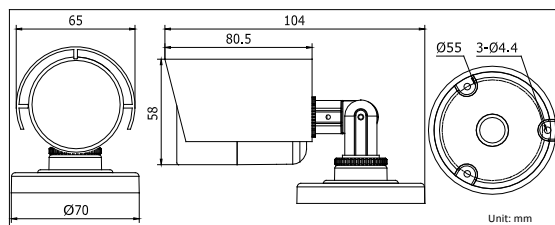
Specifications

	DS-2CC1132P(N)-IR
Camera	
Image sensor	1/4" DIS
Signal system	PAL / NTSC
Effective pixels	640 (H) × 480 (V)
Min. illumination	0.1 lux @ (F1.2, AGC on), 0 lux with IR 0.2 lux @ (F1.8, AGC on), 0 lux with IR
Shutter time	PAL:1/25 s to 1/15,000 s NTSC: 1/30 s to 1/15,000 s
Lens	2.8 mm @ F1.8 (3.6 mm, 6 mm optional) Angle of view: 66.2° (2.8 mm)
Lens mount	M12
Day & night	IR cut filter with auto switch
Horizontal resolution	500 TVL
Synchronization	Internal synchronization
Video output	1 Vp-p composite output (75 Ω/BNC)
S/N ratio	More than 52dB
BLC	On
General	
Operating conditions	-40 °C ~ 70 °C (-40°F ~® 158 °F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	1W (Max. 2.5W with IR cut filter on)
Weather-proof rating	IP66
IR range	Approx 10 to 20 meters
Dimensions	Φ 65 × 104 mm (Φ 2.56" × 4.09")
Weight	250g (0.55 lbs)

Available models

DS-2CC1132P-IR, DS-2CC1132N-IR

DS-2CC1173P-VF(IR) Weather-proof IR Bullet Camera
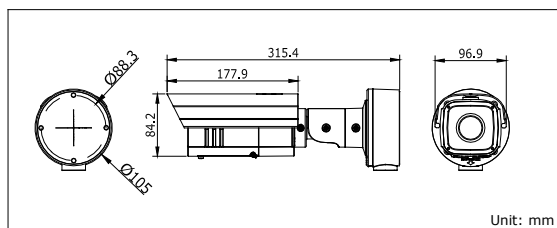
Specifications

	DS-2CC1173P-VF(IR)
Camera	
Image sensor	1/3" Sony Super HAD CCD II
Signal system	PAL
Effective pixels	752 (H) × 582 (V)
Min. illumination	Color: 0.1 lux@F1.2, AGC on, 0.0003 lux@F1.2, AGC on, sens-up × 256 Color: 0.14 lux@F1.4, AGC on, 0.0004 lux@F1.4, AGC on, sens-up × 256 B/W: 0.01 lux@F1.2, AGC on, 0.00003 lux@F1.2, AGC on, sens-up × 256 B/W: 0.014 lux@F1.4, AGC on, 0.00004 lux@F1.4, AGC on, sens-up × 256 -IR: 0.1 lux@F1.2, AGC on, 0.0003 lux@F1.2, AGC on, sens-up × 256, 0 lux with IR 0.14 lux@F1.4, AGC on, 0.0004 lux@F1.4, AGC on, sens-up × 256), 0 lux with IR
Shutter time	1/50s ~ 1/100,000s
Lens	2.8 ~ 12mm @F1.4 Angle of view: 92 ~ 27.2°
Lens mount	φ14
Auto iris	DC drive
Angle adjustment	Pan: 0 ~ 360°, tilt: 0 ~ 90°, rotation: 0 ~ 360°
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 560 TVL, B/W: 600 TVL
Synchronization	Internal / power synchronization
Video output	1Vp-p composite output (75 Ω / BNC) Test monitor out [1Vp-p composite output (75 Ω / BNC), device line]
S/N ratio	More than 52 dB
Menu	
Camera ID	On / off (15 letters, adjusted position)
Auto gain control	Low / middle / high / off
D/N mode	Auto / day / night
Auto white balance	Auto trace WB1 / auto trace WB2 / manual / auto control
Privacy mask	On / off, maximum 8 zones
Motion detection	On / off
BLC	Area / value / off
Eclipse	On / off
Digital WDR	Indoor / outdoor / off
Anti-flicker	On / off
Language	English / Chinese
Video	SMART IR, digital WDR, excessive high light compensation, gamma correction, digital zoom, digital noise reduction, POS / NEG ,mirror, sharpness, Y, C, blemish detection
General	
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10%, 12 VDC ± 10%
Weather-proof rating	IP66
IR range	-IR: approx. 20 ~ 30 meters
Power consumption	3.5W max. -IR: 10W max.
Dimensions	97 x 87 x 314mm (3.82" × 3.42" × 12.36")
Weight	2100g (4.62 lbs)

Key Features

- 1/3" Sony Super HAD CCD II
- Low illumination
- True day / night
- 3-axis adjustment
- 3D digital noise reduction
- IP66 rating

Available models

DS-2CC1173P-VF, DS-2CC1173P- VFIR

Dimensions

Ø88.3
315.4
177.9
84.2
Ø105
96.9

Unit: mm

DS-2CC1192P-IRA   Weather-proof Bullet Camera

Specifications

	DS-2CC1192P-IRA
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL
Effective pixels	976 (H) × 582 (V)
Min. illumination	0.001 lux@F1.2, AGC on, 0 lux with IR 0.0014 lux@F1.4, AGC on, 0 lux with IR
Shutter time	1/50s ~ 1/100,000s
Lens	25mm @F1.4 (16mm optional) Angle of view: 13.5° (25mm)
Lens mount	CS mount
Day & night	Electronic
Horizontal resolution	650 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75Ω / BNC)
S/N ratio	More than 62 dB
BLC	On
General	
Operating conditions	-30°C ~ 60°C (-22°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	24 VAC ± 10% (12 VDC ± 10% Optional)
Power consumption	15W max.
Weather-proof rating	IP66
IR range	Approx. 100 ~ 110m
Dimensions	116.8 × 97.3 × 255.1mm (4.60" × 3.83" × 10.04")
Weight	2500g (5.50 lbs)

Available models

DS-2CC1192P-IRA

Key Features

- 1/3" Sony EXVIEW HAD CCD II
- 650 TVL high resolution
- Up to 110m IR range
- Super low illumination
- Day / night auto switch
- IP66 rating
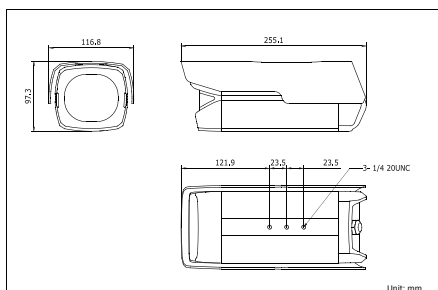
Icons

1/3" CCD	Low Light	Day&Night	650 TVL Horizontal Resolution	IR	IP66
Automatic White Balance	AGC Auto Gain Control	Backlight Compensation	62 dB S/N Ratio S/N Ratio		

Dimensions

116.8
97.3
255.1
121.9   23.5   23.5
3- 1/4 20UNC
Unit: mm

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Outdoor wall mount)

DS-2CC502/572P(N)-IMB   Vandal-Proof IR Dome Camera

Key Features

- Compact structure design
- 1/3" Sony CCD
- Day / night auto switch
- Low illumination
- Rich image enhancements
- IP66 rating
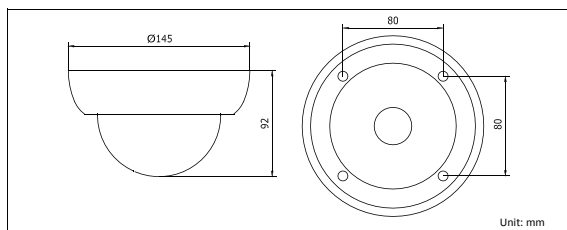
Specifications

	DS-2CC502P(N)-IMB	DS-2CC572P(N)-IMB
Camera		
Image sensor	1/3" Sony CCD	
Signal system	PAL / NTSC	
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR	
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s	
Lens	3.6mm (2.8mm, 6mm optional) Angle of view: 78° (3.6mm)	
Lens mount	M12	
Angle adjustment	Pan: 0 ~ 355°; tilt: 0 ~ 65°;	
Day & night	Electronic	
Horizontal resolution	420 TVL	540 TVL
Synchronization	Internal synchronization	
Video output	1Vp-p composite output (75 Ω / BNC)	
S/N ratio	More than 48 dB	
BLC	On	
General		
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)	
Impact protection	IEC 60068-2-75 test, Eh, 50J; EN 50102, up to IK10.	
Weather-proof rating	IP66	
IR range	Approx 10 ~ 20 meters	
Power supply	12 VDC ± 10%	
Power consumption	3W max.	
Dimensions	Φ 108 × 70 mm (Φ 4.25" × 2.76")	
Weight	450g (0.99 lbs)	

Available models

DS-2CC502P-IMB, DS-2CC572P-IMB
DS-2CC502N-IMB, DS-2CC572N-IMB

Dimensions

Ø145

80

92

80

Unit: mm

HIKVISION

DS-502/512/592P(N)-IR/IR3 IR Dome Camera

DS-502/512/592P(N)-IR3

DS-502/512/592P(N)-IR

1/3" CCD — C C D
Low Light
Day&Night
Automatic White Balance
AGC — Auto Gain Control
Backlight Compensation
IP66

Key Features

- Compact design
- 1/3" Sony CCD
- Low illumination
- Day / night auto switch
- Rich image enhancements
- IP66 rating
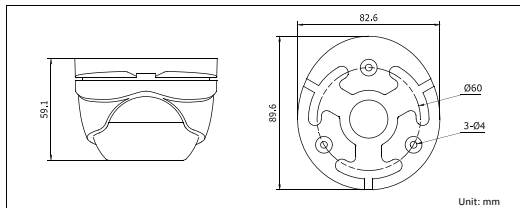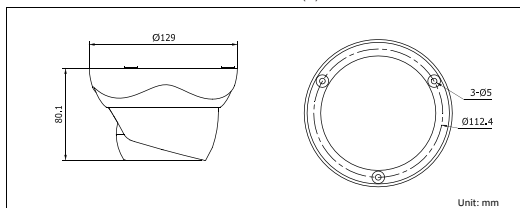
Specifications

	DS-2CC502P(N)-IR(IR3)	DS-2CC512P(N)-IR(IR3)	DS-2CC592P(N)-IR(IR3)
Camera			
Image sensor	1/3" Sony CCD		
Signal system	PAL / NTSC		
Effective pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR 0.2 lux@F1.8, AGC on, 0 lux with IR		
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s		
Lens	6mm @ F1.8 (3.6mm, 2.8mm optional) Angle of view: 47° (6mm)		
Lens mount	M12		
Angle adjustment	Pan: 0 ~ 355°; tilt: 0 ~ 75°;		
Day & night	Electronic		
Horizontal resolution	420 TVL	480 TVL	540 TVL
Synchronization	Internal synchronization		
Video output	1Vp-p composite output (75Ω / BNC)		
S/N ratio	More than 48 dB		
BLC	On		
General			
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)		
Power supply	12 VDC ± 10%		
Power consumption	3W max		
Weather-proof rating	IP66		
IR range	"-IR" series: approx 10 ~ 20 meters "-IR3" series: approx 30 ~ 40 meters		
Dimensions	"-IR" series: Φ 89.6 × 59.1mm (Φ 3.53" × 2.33") "-IR3" series: Φ 129 × 80.1mm (Φ 5.08" × 3.15")		
Weight	"-IR" series: 400g (0.88 lbs) "-IR3" series: 700g (1.54 lbs)		

Available models

DS-2CC502P-IR1, DS-2CC502N-IR, DS-2CC512P-IR, DS-2CC512N-IR, DS-2CC592P-IR, DS-2CC592N-IR
DS-2CC502P-IR3, DS-2CC502N-IR3, DS-2CC512P-IR3, DS-2CC512N-IR3, DS-2CC592P-IR3, DS-2CC592N-IR3

Dimensions

82.6
59.1
89.6
Ø60
3-Ø4
Unit: mm

DS-502/512/592P(N)-IR

Ø129
80.1
3-Ø5
Ø112.4
Unit: mm

DS-502/512/592P(N)-IR3

DS-2CC5192P-IR1/IR3   IR Weather-proof Dome Camera

Specifications

	DS-2CC5192P-IR1/IR3
Camera	
Image sensor	1/3" Sony EXVIEW HAD CCD II
Signal system	PAL / NTSC
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Min. illumination	0.001 lux@F1.2, AGC on, 0 lux with IR 0.002 lux@F1.8, AGC on, 0 lux with IR
Shutter time	PAL: 1/50s ~ 1/100,000s NTSC: 1/60s ~ 1/100,000s
Lens	6mm @F1.8 (3.6mm, 2.8mm optional) Angle of view: 47° (6mm)
Lens mount	M12
Angle adjustment	Pan: 0 ~ 355°; Tilt: 0 ~ 75°;
Day / night	Electronic
Horizontal resolution	650 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75Ω / BNC)
S/N ratio	More than 62 dB
BLC	On
General	
Operating conditions	-30°C ~ 60°C (-22°F ~ 140°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	3W max.
Weather-proof rating	IP66
IR range	"-IR1" series: approx 10 ~ 20 meters "-IR3" series: approx 30 ~ 40 meters
Dimensions	Φ 129 × 80.1 mm (Φ 5.08" × 3.15")
Weight	700g (1.54 lbs)

Key Features

- High performance Sony CCD
- 650 TVL high resolution
- Up to 40m IR range
- Super low illumination
- Day / night auto switch
- IP66 rating

Available models

DS-2CC5192P-IR1, DS-2CC5192P-IR3

Dimensions

Ø129

80.1

3-Ø5

Ø112.4

Unit: mm

HIKVISION

DS-2CC5132P(N)-IR   IR Weather-proof DIS Dome Camera

| 1/4" DIS | Low Light | 500 Horizontal Resolution | I C R | IP66 | IR |
| AWB Automatic White Balance | AGC Auto Gain Control | Backlight Compensation | | | |

Key Features

- 1/4" DIS
- 500 TVL resolution
- 20m IR range
- Low illumination
- True day / night
- IP66 rating
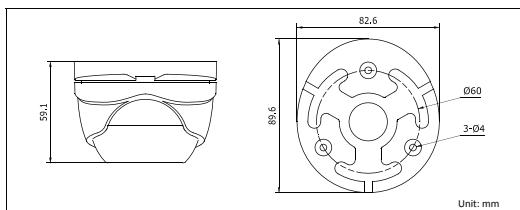
Specifications

	DS-2CC5132P(N)-IR
Camera	
Image sensor	1/4" DIS
Signal system	PAL / NTSC
Effective pixels	640(H) × 480(V)
Min. illumination	0.1 Lux @ (F1.2, AGC ON) 0.28 Lux @ (F2.0, AGC ON)
Shutter time	PAL: 1/25s ~ 1/15,000s NTSC: 1/30s ~ 1/15,000s
Lens	2.8mm @F1.8 (3.6mm, 6mm optional) Angle of view: 66.2° (2.8mm)
Lens mount	M12
Angle adjustment	Pan: 0 ~ 355°; Tilt: 0 ~ 75°
Day & night	IR cut filter with auto switch
Horizontal resolution	500 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 52dB
General	
Operating conditions	-40°C ~ 70°C (-40°F ~ 158°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	1W (2.5W max with IR cut filter on)
Weather-proof rating	IP66
Dimensions	Φ 89.6 × 59.1mm (Φ 3.53" × 2.33")
Weight	400g (0.88 lbs)

Available models

DS-2CC5132P-IR, DS-2CC5132N-IR

Dimensions

82.6

59.1

89.6

Ø60

3-Ø4

Unit: mm

DS-2CC5132P(N)-IRP   IR DIS Dome Camera

Key Features

- 1/4" DIS
- 500 TVL resolution
- 20m IR range
- Low illumination
- True day / night
- 3-axis adjustment

Dimensions

Specifications

	DS-2CC5132P(N)-IRP
Camera	
Image sensor	1/4" DIS
Signal system	PAL / NTSC
Effective pixels	640(H) × 480(V)
Min. illumination	0.1 lux@F1.2, AGC on, 0 lux with IR 0.2 lux@F1.8, AGC on, 0 lux with IR
Shutter time	1/25 (1/30)s ~ 1/15,000s
Lens	2.8mm @F1.8 (6mm, 3.6mm optional) Angle of view: 66.2° (2.8mm)
Lens mount	M12
Day / night	IR cut filter with auto switch
Horizontal resolution	500 TVL
Synchronization	Internal synchronization
Video output	1Vp-p composite output (75 Ω / BNC)
S/N ratio	More than 52 dB
BLC	On
General	
Operating conditions	-40°C ~ 70°C (40°F ~ 158°F) Humidity 90% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	1W (2.5W max with IR cut filter on)
IR range	approx 10 ~ 20 meters
Dimensions	Φ 89.5 × 69.8mm (Φ 3.52" × 2.75")
Weight	200g (0.44 lbs)
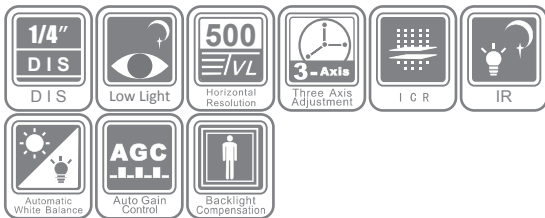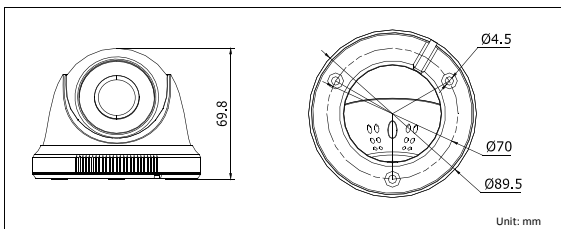
Available models

DS-2CC5132P-IRP, DS-2CC5132N-IRP

DS-2CZ2132P   Zoom Camera

Specifications

	DS-2CZ2132P
Camera	
Image sensor	1/4" Sony Interline Transfer Super HAD-II CCD
Signal system	PAL
Effective pixels	PAL: 752(H) × 582(V)
Min. illumination	Color:0.2 lux@F1.6, AGC on, 0.0002 lux@F1.6, AGC on, sens-up × 512
Shutter time	1/50 (1/60)s ~ 1/100, 000s
Day & night	Electronic
Horizontal resolution	540 TVL
Synchronize mode	Internal
Video output	1 Vp-p Composite Output (75 Ω / BNC)
S/N ratio	>50 dB
Lens	
Focal length	3.9 ~ 85.8mm, 22x
Zoom speed	Approx. 3s (optical, wide-tele)
Horizontal viewing angle	49.6 ~ 2.40° (wide-tele)
Min. working distance	10 ~ 1500mm (wide-tele)
Aperture range	F1.6 ~ F3.7
Menu	
Camera ID	Off / on (0 ~ 254)
Iris mode	Auto / manual / electronic
Shutter	1/50 (1/60)s ~ 1/100, 000s
Auto gain control	Off / low / high
White balance	ATW 1 / ATW 2 / auto / manual
Focus	Auto / once / manual
Day & night	Auto / B/W / external trigger
Slow shutter	×512 max.
Privacy mask	Off / on, Up to 8 zones
Motion detection	Off / mode 1 / mode 2
Gamma correction	0.45 / 1
Video settings	3D-DNR, mirror, definition, flickerless, exposure-compensation, BLC, image freezing, electronic image stabilization
Zoom speed	Level 1 ~ 5 adjustable
Digital zoom	Off, ×2, ×4, ×6, ×8, ×10, ×12, ×14, ×16
Zoom ratio display	On / off
ZCF control mode	Mode 1 / mode 2
RS-485	Communication protocol / baud rate / address
Preset	254
Dead pixel detection	Yes
General	
Working temperature & humidity	-10°C ~ 60°C , Humidity: ≤ 90% (no condensation)
Power supply	12 VDC ± 10%
Power consumption	4W max.
Dimensions	64 × 69 × 120 mm
Weight	450g

Key Features

- 1/4" Sony Interline Transfer Super HAD-II CCD
- 22x optical zoom
- 540 TVL high resolution
- Low illumination
- OSD menu
- Day / night auto switch
- 3D digital noise reduction
- Electronic image stabilization

Dimensions

64   119.9

69

34   52.4   1/4 20UNC

Unit: mm

Available models

DS-2CZ2132P

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

DS-2CZ2152P   Zoom Camera
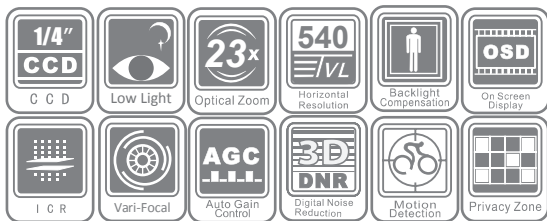
Key Features

- 1/4" Sony Interline Transfer Super HAD-II CCD
- 23x optical zoom
- 540 TVL high resolution
- Low illumination
- OSD menu
- 3D digital noise reduction
- Electronic image stabilization
- Auto iris with DC / video drive

Dimensions

66.1   128.2

76.1   68.6

34   51.2   1/4 20UNC   Unit: mm

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)
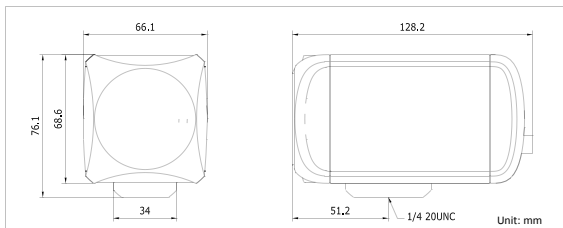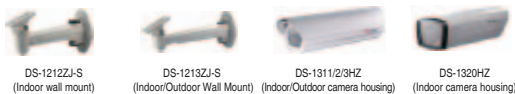
Specifications

	DS-2CZ2152P
Camera	
Image sensor	1/4" Sony Interline Transfer Super HAD-II CCD
Signal system	PAL
Effective pixels	PAL: 752 (H) × 582 (V)
Min. illumination	Color: 0.2 lux@F1.6,AGC on, 0.0002 lux@F1.6, AGC on, sens-up × 512 B/W: 0.02 lux@F1.6,AGC on, 0.00002 lux@F1.6, AGC on, sens-up × 512
Shutter time	1/50 (1/60)s ~ 1/100, 000s
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 540 TVL, B/W: 600 TVL
Synchronize mode	Internal
Video output	1Vp-p composite output (75Ω / BNC)
S/N ratio	> 50 dB
Lens	
Focal length	3.84 ~ 88.4 mm, 23x
Zoom speed	Approx. 3s (optical, wide-tele)
Horizontal viewing angle	50.2 ~ 2.36° (wide-tele)
Min. working distance	10 ~ 1500mm (wide-tele)
Aperture range	F1.6 ~ F4.5
Menu	
Camera ID	Off / on (0 ~ 254)
Iris mode	Auto / manual / electronic
Shutter	1/50 (1/60)s ~ 1/100, 000s
AGC	Off / low / high
White balance	ATW 1 / ATW 2 / auto / manual
Focus	Auto / once / manual
Day & night	Auto / B/W / external trigger
Slow shutter	×512 max
Privacy mask	Off / on, up to 8 zones
Motion detection	Off / mode 1 / mode 2
Gamma correction	0.45 / 1
Video settings	3D-DNR, mirror, definition, flickerless, exposure-compensation, BLC, image freezing, electronic image stabilization
Zoom speed	Level 1~5 adjustable
Digital zoom	Off, ×2, ×4, ×6, ×8, ×10, ×12, ×14, ×16
Zoom ratio display	On / off
ZCF control mode	Mode 1 / Mode 2
RS-485	Communication protocol / baud rate / address
Preset	254
Dead pixel detection	Yes
General	
Working temperature & humidity	-10°C ~ 60°C , Humidity: ≤ 90% (no condensation)
Power supply	12 VDC ± 10%
Power consumption	4.5W max.
Dimensions	66× 76 × 128 mm
Weight	550g

Available models

DS-2CZ2152P

DS-2CZ282P(N)   Zoom Camera
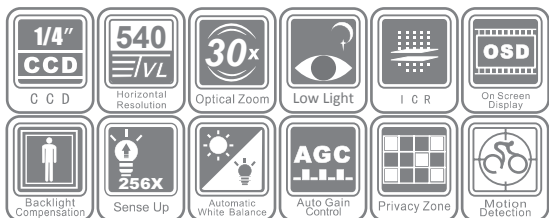
Key Features

- 1/4" Sony Interline Transfer Super HAD-II CCD
- 30x optical zoom
- 540 TVL high resolution
- Low illumination
- OSD menu
- True day / night

Dimensions

Unit: mm

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)
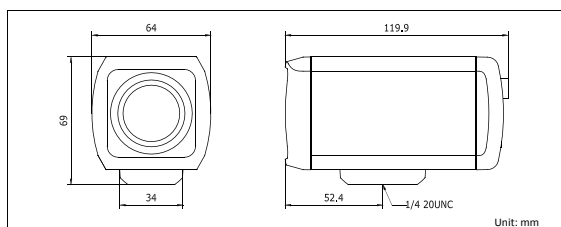
Specifications

	DS-2CZ282P(N)
Camera	
Image sensor	1/4" SONY Interline Transfer Super HAD-II CCD
Signal system	PAL / NTSC
Effective pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	Color: 0.2 lux@F1.4, AGC on, 0.0008 lux@F1.4, AGC, on, sens-up × 256 B/W: 0.02 lux@F1.4, AGC on, 0.00008 lux@F1.4, AGC on, sens-up × 256
Shutter time	1/50 (1/60)s ~ 1/100,000s
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 540 TVL, B/W: 600 TVL
Synchronize mode	Internal synchronization
Video output	1 Vp-p composite output (75Ω / BNC)
S/N ratio	> 50 dB
Lens	
Focal length	3.5 ~ 105.5 mm, 30x
Zoom speed	Approx. 5s (optical, wide-tele)
Horizontal viewing angle	56.4 ~ 2.0° (wide-tele)
Min. working distance	10 ~ 1500mm (wide-tele)
Aperture range	F1.4 ~ F3.7
Menu	
Camera ID	Off / on (0 ~ 254)
Iris mode	Auto / manual / electronic
Shutter	1/50 (1/60)s ~ 1/100,000s
Auto gain control	Off / low / high
White balance	ATW1 / ATW2 / AC / manual
Focus	Auto / once / manual
Day & night	Auto / color / B/W / external trigger
Privacy mask	Off / On, up to 8 zones
Motion detection	Off / mode 1 / mode 2
Gamma correction	0.45 / 1
Video settings	DNR, mirror, definition, Y-value, C-value, POS / NEG, flickerless
Zoom speed	1 ~ 5
Digital zoom	Off, ×2, ×4, ×6, ×8, ×10, ×12, ×14, ×16
Zoom ratio display	On / Off
ZCF control mode	Mode 1 / mode 2
RS-485	Protocol / baud Rate / address
Preset	254
Dead pixel detection	Yes
General	
Working temperature & humidity	-10 °C ~ 60 °C, Humidity: ≤ 90% (no condensation)
Power supply	12 VDC ± 10%
Power consumption	4.5W max.
Dimensions	66 × 76 × 128 mm
Weight	550g

Available models

DS-2CZ282P, DS-2CZ282N

DS-2CZ292P(N)   Zoom Camera

Key Features

- 1/4" SONY Interline Transfer Super HAD-II CCD
- 36x optical zoom
- 540 TVL high resolution
- Low illumination
- OSD menu
- True day / night

Dimensions

Unit: mm

Accessories

DS-1212ZJ-S
(Indoor wall mount)

DS-1213ZJ-S
(Indoor/Outdoor Wall Mount)

DS-1311/2/3HZ
(Indoor/Outdoor camera housing)

DS-1320HZ
(Indoor camera housing)

Specifications

	DS-2CZ292P(N)
Camera	
Image sensor	1/4" SONY Interline Transfer Super HAD-II CCD
Signal system	PAL / NTSC
Effective pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. illumination	Color: 0.2 lux@F1.6, AGC on, 0.0008 lux@F1.6, AGC on, sens-up × 256 B/W: 0.02 lux@F1.6, AGC on, 0.00008 lux@F1.6, AGC on, sens-up × 256
Shutter time	1/50 (1/60)s ~ 1/100,000s
Day & night	IR cut filter with auto switch
Horizontal resolution	Color: 540 TVL, B/W: 600 TVL
Synchronize mode	Internal synchronization
Video output	1 Vp-p composite output (75Ω / BNC)
S/N ratio	> 52dB
Lens	
Focal length	3.4 ~ 122.4 mm, 36x
Zoom speed	Approx. 6s (optical, wide-tele)
Horizontal viewing angle	57.8 ~ 1.7° (wide-tele)
Min. working distance	10 ~ 1500mm (wide-tele)
Aperture range	F1.6 ~ F4.5
Menu	
Camera ID	Off / on (0 ~ 254)
Iris mode	Auto / manual / electronic
Shutter	1/50 (1/60)s ~ 1/100,000s
Auto gain control	Off / low / high
White balance	ATW1 / ATW2 / AC / manual
Focus	Auto / once / manual
Day & night	Auto / color / B/W / external trigger
Privacy mask	Off / on, up to 8 zones
Motion detection	Off / mode 1 / mode 2
Gamma correction	0.45 / 1
Video settings	DNR, mirror, definition, Y-value, C-value, POS/NEG, flickerless
Zoom speed	Level 1~5 adjustable
Digital zoom	Off, ×2, ×4, ×6, ×8, ×10, ×12, ×14, ×16
Zoom ratio display	On / off
ZCF control mode	Mode 1 / mode 2
RS-485	Protocol / baud rate / address
Preset	254
Dead pixel detection	Yes
General	
Working temperature & humidity	-10℃ ~ 60℃ , Humidity: ≤ 90% (no condensation)
Power supply	12 VDC ± 10%
Power consumption	4.5W max.
Dimensions	66 × 76 × 128 mm
Weight	450g

Available models

DS-2CZ292P, DS-2CZ292N

DVR/NVR

DS-9004/9008/9016HFI-SH   Embedded Hybrid DVR

Key Features

- H.264 video compression
- Third-party network cameras supported
- HDMI output at 1920×1080 resolution
- 4/8/16-ch synchronous playback
- HDD group management
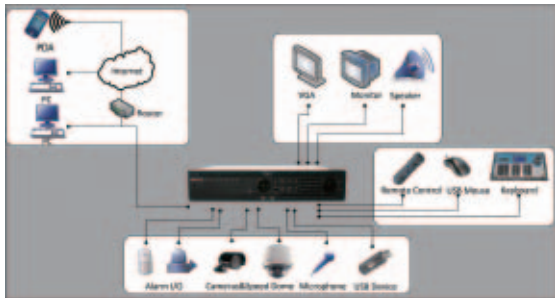
Rear Panel of DS-9016HFI-SH

1. Video in, audio in
2. Video spot out (for video preview only), audio spot out
3. Video out, audio out
4. Line in
5. VGA interface
6. Loop out (optional)
7. RS-232 serial interface
8. eSATA backup/extended storage Interface (optional)
9. LAN network interface
10. USB interface
11. RS-485 matched resistance switch
12. RS-485 serial interface, keyboard Interface (support cascade), alarm in, alarm out
13. GND
14. 100~240 VAC power input
15. HDMI interface

Specifications

	DS-9004HFI-SH	DS-9008HFI-SH	DS-9016HFI-SH
Video/Audio input			
Video compression	H.264		
Analog Video input	4-ch, BNC (1.0Vp-p, 75Ω), PAL/NTSC self-adaptive	8-ch, BNC (1.0Vp-p, 75Ω), PAL/NTSC self-adaptive	16-ch, BNC (1.0Vp-p, 75Ω), PAL/NTSC self-adaptive
IP Video input	4-ch 4CIF / 2-ch 720P / 1-ch UXGA /1080P real time	8-ch 4CIF / 4-ch 720P / 2-ch UXGA /1080P real time	16-ch 4CIF / 8-ch 720P / 4-ch UXGA /1080P real time
Composited video input	8-ch (4-ch analog video + 4-ch IP video)	16-ch (8-ch analog video + 8-ch IP video)	24-ch (16-ch analog video +8-ch IP video)
Audio compression	OggVorbis		
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	2-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
Preview resolution	PAL:704×576 NTSC:704×480		
HDMI output	1-ch, resolution: 1920×1080 /60 Hz,1280×1024 /60 Hz, 1024×768 /60 Hz		
VGA output	1-ch, resolution: 1280×1024 /60 Hz,1024×768 /70 Hz, 1024×768 /60 Hz		
Encoding resolution	4CIF / DCIF / 2CIF / CIF / QCIF		
Video output	2-ch, BNC (1.0 Vp-p, 75 Ω)		
Video loop out	Optional		
Frame rate	25fps (P) / 30fps (N)		
Video bit rate	32 Kbps~2048 Kbps, or user defined (max. 6144 Kbps)		
Audio output	2-ch, BNC (linear electrical level, 600 Ω)		
Audio bit rate	16 Kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	8 SATA interfaces		
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M / 1000M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	3, USB 2.0		
Alarm in	16		
Alarm out	4		
General			
Power supply	100~240 VAC, 6.3A, 50~60Hz		
Consumption	≤ 70W (without hard disk or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Dimensions (W × D × H)	450 × 470 ×90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

HIKVISION

DS-9004/9008/9016HFI-RH   Embedded Hybrid DVR

Key Features

- H.264 video compression
- Third-party network cameras supported
- HDMI output at 1920×1080 resolution
- 4/8/16-ch synchronous playback
- RAID 0, RAID 1, RAID 10 & RAID 5 supported
- Easy HDD assembly & replacement

Rear Panel of DS-9016HFI-RH

1. Video in, audio in
2. Video spot out (for video preview only), Audio spot out
3. Video out, audio out
4. Line in
5. VGA interface
6. Loop out (optional)
7. RS-232 serial interface
8. eSATA backup / extended storage interface (optional)
9. LAN network interface
10. USB interface
11. RS-485 matched resistance switch
12. RS-485 serial interface, keyboard interface (support cascade), alarm in, alarm out
13. GND
14. 100~240 VAC power input
15. HDMI interface

Specifications

	DS-9004HFI-RH	DS-9008HFI-RH	DS-9016HFI-RH
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive	8-ch, BNC (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive	16-ch, BNC (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive
IP video input	4-ch 4CIF / 2-ch 720P / 1-ch UXGA real time	8-ch 4CIF / 4-ch 720P / 2-ch UXGA real time	16-ch 4CIF / 8-ch 720P / 4-ch UXGA real time
Composited video input	8-ch (4-ch analog video + 4-ch IP video)	16-ch (8-ch analog video + 8-ch IP video)	24-ch (16-ch analog video +8-ch IP video)
Audio compression	OggVorbis		
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC(2.0 Vp-p, 1 kΩ)
Voice talk input	2-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
Preview resolution	PAL: 704×576, NTSC: 704×480		
HDMI output	1-ch, Resolution: 1024 × 768 /60 Hz, 1280 × 1024 /60 Hz, 1920 × 1080 /60 Hz		
VGA output	1-ch, Resolution: 1024 × 768 /60 Hz, 1024 × 768 /70 Hz, 1280 × 1024 /60 Hz		
Encoding resolution	4CIF / DCIF / 2CIF / CIF / QCIF		
Video output	2-ch, BNC (1.0 Vp-p, 75 Ω)		
Video loop out	Optional		
Frame rate	25 fps(P)/30 fps(N)		
Video bit rate	32 Kbps-2048 Kbps, or user defined (Max. 6144 Kbps)		
Audio output	2-ch, BNC (Linear Electrical Level, 600 Ω)		
Audio bit rate	16 Kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	8 SATA interfaces		
Capacity	Up to 2TB capacity for each disk		
Array type	RAID 0, RAID 1, RAID 5, RAID 10		
Array number	4		
Virtual disk	8		
External interface			
Network interface	1, RJ45 10 M / 100M / 1000M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	3, USB 2.0		
Alarm in	16		
Alarm out	4		
General			
Power supply	100 ~ 240 VAC, 6.3A, 50~60Hz		
Consumption	≤ 70W (without hard disk or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Dimensions (W × D × H)	445 × 470 × 90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-7604HI-S   Embedded Hybrid DVR

Key Features

- H.264 video compression
- Up to 5 Megapixels (2560×1920) resolution recording
- VGA output at 1024×768 resolution
- Dual-stream
- 4-ch synchronous playback
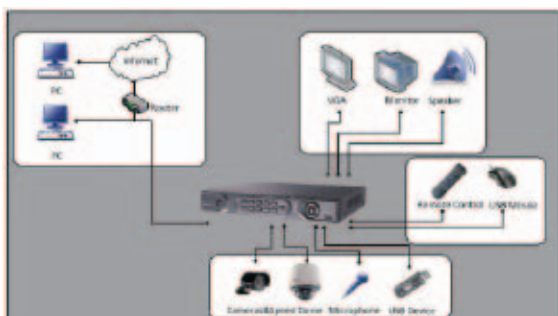
Rear Panel of DS-7604HI-S

1. USB Interface
2. Video in
3. Video out
4. Audio in
5. Audio out
6. LAN
7. VGA interface
8. RS-485 Interface, alarm in, alarm out
9. Power switch
10. 12 VDC power supply
11. GND

Specifications

	DS-7604HI-S
Video/Audio input	
Video compression	H.264
Analog video input	4-ch, BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive
IP video input	2-ch 4CIF real time or 1-ch 720P / UXGA / 1080P real time ; 3-ch 4CIF real time or 1-ch 720P / UXGA / 1080P real time ; 4-ch 4CIF real time/2-ch 720P / UXGA / 1080P real time or 1-ch 2560×1920 not real time ;
Composite video input	6-ch (4-ch analog video+ 2-ch IP video)
Audio compression	OggVorbis
Audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ)
Video/Audio output	
Live view resolution	PAL:704×576, NTSC:704×480
VGA output	1-ch, resolution: 1024×768 / 60Hz
Playback resolution	2560×1920 / UXGA / 1080P / 720P / 4CIF / VGA / DCIF / 2CIF / CIF / QCIF
Video output	1-ch, BNC (PAL: 704×576, NTSC: 704×480)
Frame rate	25 fps (P) / 30fps (N)
Video bit rate	32 Kbps~2048 Kbps, or user defined (Max. 16384 Kbps)
Audio output	1-ch, RCA(2.0 Vp-p, 1 kΩ)
Audio bit rate	16kbps
Synchronous playback	4-ch
Hard disk	
SATA	1 SATA interface
Capacity	Up to 2TB capacity for each disk
External interface	
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface
Serial interface	1 RS-485 interface
USB interface	2, USB2.0
Alarm in	4
Alarm out	1
General	
Power supply	12 VDC
Consumption	≤ 12W (without hard disk or DVD-R/W)
Working temperature	-10°C ~ 55°C (14°F ~ 131°F)
Working humidity	10%~90%
Dimensions (W x D x H)	315 × 230 × 45 mm
Weight	≤ 2.5kg (without HDD or DVD-R/W)

HIKVISION

DS-9104/9108/9116HFI-ST   Standalone DVR

Key Features

- H.264 video compression
- HDMI and VGA output at 1920×1080P resolution
- HDD quota and group management
- Dual-stream
- Dual gigabit network interfaces
- 4/8/16-ch synchronous playback
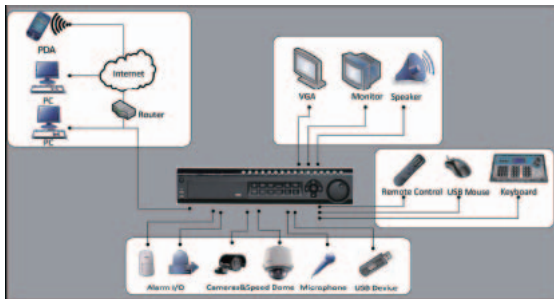
Rear Panel of DS-9116HFI-ST

1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100~240VAC power input
18. Power switch

Specifications

	DS-9104HFI-ST	DS-9108HFI-ST	DS-9116HFI-ST
Video/Audio input			
Video compression	H.264		
video input	4-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	8-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSCself-adaptive	16-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive
Video input interface	BNC (1.0 Vp-p, 75 Ω), PAL/TSC self-adaptive		
Audio compression	OggVorbis		
Audio input	4-ch, RCA (2.0 Vp-p, 1 kΩ)	8-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ) Audio 5-8: DB26 connector	16-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ) Audio 5-16: DB26 connector
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI output	1-ch, resolution:1024×768 /60 Hz, 1280×720 /60 Hz, 1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /50 Hz, 1920×1080P /60 Hz		
VGA output	1-ch, resolution:1024×768 /60 Hz, 1280×720 /60 Hz,1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /60 Hz		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω),resolution: PAL: 704×576, NTSC: 704×480		
Video spot output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480	4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480	4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480
Video loop out	4-ch	8-ch	16-ch
Encoding resolution	4CIF / 2CIF / CIF / QCIF		
Frame rate	25fps(P) / 30fps(N)		
Video bit rate	32Kbps - 2048Kbps, or user defined (Max. 8192 Kbps)		
Audio output	2-ch, RCA (2.0 Vp-p, 1 kΩ)		
Audio bit rate	16kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Playback resolution	4CIF / 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	8 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	2, RJ45 10M / 100M / 1000M self-adaptive ethernet interface		
Serial interfaces	1 RS-232 interface (for parameters confi guration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control)		
USB interface	2, USB2.0		
Alarm in	4	16	16
Alarm out	2	4	4
General			
Power supply	100~240 VAC, 6.3A, 50~60Hz		
Consumption	≤70W (without hard disk or DVD-R/W)		
Working temperature	-10°C ~ +55°C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions (W x D x H)	445 × 470 × 90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-9104/9108/9116HWI-ST Standalone DVR

Key Features

- H.264 video compression
- HDMI and VGA output at 1920×1080P resolution
- HDD quota and group management
- WD1(PAL: 960×576, NTSC: 960×480) resolution real time recording
- Dual gigabit network interfaces
- 4/8/16-ch synchronous playback

Rear Panel of DS-9116HWI-ST

1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100~240 VAC power input
18. Power switch

Specifications

	DS-9104HWI-ST	DS-9108HWI-ST	DS-9116HWI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	8-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	16-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive
Audio compression	OggVorbis		
Audio input	4-ch, RCA (2.0 Vp-p, 1 kΩ)	8-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ) Audio 5-8: DB26 connector	16-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ) Audio 5-16: DB26 connector
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI / VGA output	1-ch, resolution: 1024×768 /60 Hz, 1280×720 /60 Hz,1280×1024 /60 Hz, 1600×1200 /60 Hz,1920×1080 /60 Hz(1080P)		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video spot output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480	4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480	4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480
Video loop out	4-ch	8-ch	16-ch
Encoding resolution	WD1 / 2CIF / CIF / QCIF		
Frame rate	25fps (P) / 30fps (N)		
Video bit rate	32 Kbps-2048 Kbps, or user defined (Max. 8196 Kbps)		
Audio output	2-ch, RCA (2.0 Vp-p, 1 kΩ)		
Audio bit rate	16kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Playback resolution	WD1/ 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	8 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	2, RJ45 10M / 100M / 1000M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	2, USB2.0		
Alarm in	4	16	16
Alarm out	2	4	4
General			
Power supply	100~240 VAC, 6.3A, 50~60Hz		
Consumption	≤70W (without hard disk or DVD-R/W)		
Working temperature	-10°C ~ +55°C (14°F ~ 131°F)		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions (W x D x H)	445 × 470 × 90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-8104/8108/8116HCI-ST   Standalone DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- VGA output at 1280 ×1024 resolution
- Simultaneous VGA, main CVBS and spot video outputs
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder), NTP ,NDP , DHCP protocols

Rear Panel of DS-8116HCI-ST
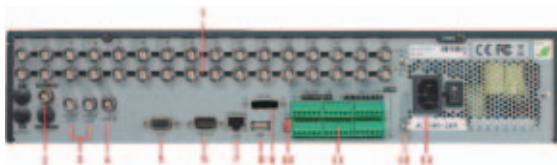
1. Video in, audio in
2. Video spot out
3. Video out, audio out
4. Line in
5. VGA
6. RS-232
7. LAN interfac
8. USB interface
9. eSATA interface
10. Termination switch
11. RS-485 interface, controller port, alarm in, alarm out
12. GND
13. 100-240 VAC power supply

Specifications

|	DS-8104HCI-ST	DS-8108HCI-ST	DS-8116HCI-ST
Video/Audio input			
Analog video input	4-ch	8-ch	16-ch
	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio input	4-ch	8-ch	16-ch
	BNC connector (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, BNC connector (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704×576, NTSC:704×480		
VGA output	1-ch, resolution: 1280×1024 /60 Hz , 1024×768 /60 Hz		
Audio output	1-ch, BNC connector (2.0 Vp-p, 600 Ω)		
Video/Audio encoding			
Video compression	H.264		
Encoding resolution	4CIF / 2CIF / CIF		
Frame rate	25fps (P) / 30fps (N)		
Video bit rate	32 kbps~2048 kbps, or user defined (Max. 3072 kbps)		
Stream type	Video, Video & Audio		
Dual-stream	Support		
Audio compression	G.711		
Audio bit rate	64kbps		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	4 SATA interfaces	8 SATA interfaces	8 SATA interfaces
eSATA	1 eSATA interface		
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-485 serial interface, 1 RS-485 keyboard interface, 1 RS-232 serial interface		
USB interface	3, USB2.0		
Alarm in	4	16	16
Alarm out	2	4	4
General			
Power supply	100 ~ 240 VAC, 6.3A, 50 ~ 60Hz		
Consumption	≤ 50W (without hard disk or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack mounted 2U chassis		
Dimensions (W × D × H)	450 × 450 × 95 mm		
Weight	≤8kg (without hard disk or DVD-R/W)		

DS-8104/8108/8116HDI-ST Standalone DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- HDMI and VGA output at 1920×1080P resolution
- eSATA interface
- 4/8/16-ch synchronous playback
- SADP(IP Finder), FTP, NTP, DHCP protocols

Rear Panel of DS-8116HDI-ST

1. Video in
2. Audio in
3. Video spot out
4. Video out
5. Audio out
6. Line in
7. RS-232 serial interface
8. VGA interface
9. HDMI interface
10. eSATA interface
11. LAN interface
12. Termination switch
    RS-485 serial interface, seyboard
13. Interface, alarm in, alarm out
14. GND
15. 100~240 VAC power input
16. Power switch

Specifications

	DS-8104HDI-ST	DS-8108HDI-ST	DS-8116HDI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive	8-ch, BNC (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive	16-ch, BNC (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive
Audio compression	G.711		
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI output	1-ch, resolution: 1080P:1920×1080 /60 Hz; UXGA: 1600×1200 /60 Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz.		
VGA output	1-ch, resolution: 1080P:1920×1080 /60 Hz; UXGA: 1600×1200 /60 Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz.		
CVBS output	2-ch (1 Main Video Out+1 Spot Video Out), BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video loop out (optional)	4-ch	8-ch	16-ch
Encoding resolution	4CIF / 2CIF / CIF / QCIF		
Frame rate	Mode1: 4-ch: 4CIF @ 15 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: 1-ch: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), 3-ch: CIF / QCIF @ 25 fps (P) / 30 fps (N)	Mode1: 8-ch:4CIF @ 12 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: 2-ch: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), 6-ch: CIF / QCIF @ 25 fps (P) / 30 fps (N)	Mode1: 16-ch: 4CIF @ 12 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: 4-ch: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), 12-ch: CIF / QCIF @ 25 fps (P) / 30 fps (N)
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3072 Kbps)		
Audio output	2-ch, BNC (Linear, 600Ω)		
Audio bit rate	64 Kbps		
Dual-stream	Support, Sub stream: CIF / QCIF		
Stream type	Video , Video & Audio		
Playback resolution	4CIF / 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	4 SATA interfaces	8 SATA interfaces	8 SATA interfaces
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	1 RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	3, USB2.0		
Alarm in	8	8	16
Alarm out	4		
General			
Power supply	100 ~ 240 VAC, 6.3A, 50~60Hz		
Consumption	≤ 25W (without hard disk or DVD-R/W)	≤ 30W (without hard disk or DVD-R/W)	≤ 35W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ + 55 °C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 2 U chassis		
Dimensions (W × D × H)	440 × 450 × 90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-8104/8108/8116HFI-ST   Standalone DVR

Key Features

- H.264 video compression
- 4CIF resolution real time recording
- HDMI and VGA output at 1920×1080P resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder), FTP, NTP, DHCP protocols
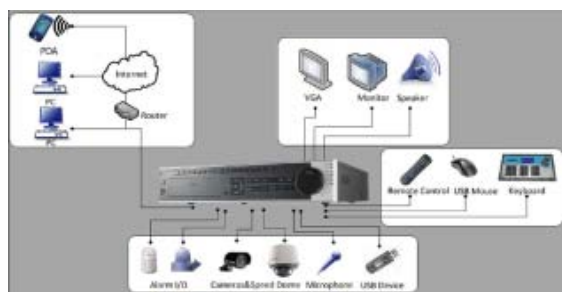
Rear Panel of DS-8116HFI-ST

1. Video in
2. Audio in
3. Video spot out
4. Video out
5. Audio out
6. Line in
7. RS-232 serial interface
8. VGA interface
9. HDMI interface
10. eSATA interface
11. LAN interface
12. Termination switch
13. RS-485 serial interface, keyboard interface, alarm in, alarm out
14. GND
15. 100~240 VAC power input
16. Power switch

Specifications

	DS-8104HFI-ST	DS-8108HFI-ST	DS-8116HFI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC(1.0Vp-p, 75 Ω), PAL / NTSC self-adaptive	8-ch, BNC(1.0Vp-p, 75 Ω), PAL / NTSC self-adaptive	16-ch, BNC(1.0Vp-p, 75 Ω), PAL / NTSC self-adaptive
Audio compression	OggVorbis		
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI output	1-ch, resolution: 1920×1080P /60 Hz,1920×1080P /50 Hz, 1600×1200 /60 Hz, 1280×1024 /60 Hz, 1280×720 /60 Hz,1024×768 /60 Hz,		
VGA output	1-ch, resolution: 1920×1080P /60 Hz,1600×1200 /60 Hz, 1280×1024 /60 Hz, 1280×720 /60 Hz,1024×768 /60 Hz,		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video spot output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video loop out	Optional		
Encoding resolution	4CIF/ 2CIF / CIF / QCIF		
Frame rate	25 fps (P) /30 fps (N)		
Video bit rate	32 Kbps-2048 Kbps, or user defined (Max. 8192 Kbps)		
Audio output	2-ch, BNC (Linear, 600Ω)		
Audio bit rate	16 Kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Playback resolution	4CIF / 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	8 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	1 RJ45 10M / 100M / 1000M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	2, USB2.0		
Alarm in	4	16	16
Alarm out	2	4	4
General			
Power supply	100~240 VAC, 6.3A, 50~60Hz		
Consumption	≤70W (without hard disk or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10%~90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions (W × D × H)	445 × 470 × 90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-8104/8108/8116HWI-ST Standalone DVR

Key Features

- H.264 video compression
- WD1(PAL: 960×576, NTSC: 960×480) resolution real time recording
- VGA and HDMI output at 1920×1080P resolution
- eSATA interface
- Dual-stream
- 4/8/16-ch synchronous playback
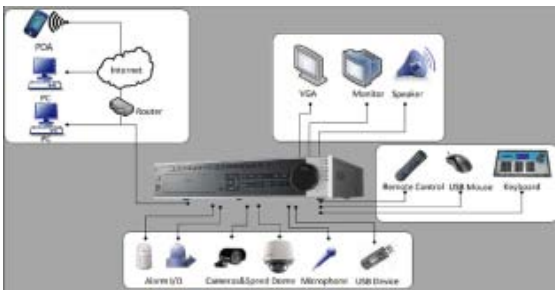
Rear Panel of DS-8116HWI-ST

1. Video in
2. Audio in
3. Video spot out
4. Video out
5. Audio out
6. Line in
7. RS-232 serial interface
8. VGA interface
9. HDMI interface
10. eSATA interface
11. LAN interface
12. Termination switch
13. RS-485 serial interface, keyboard interface, alarm in, alarm out
14. GND
15. 100~240 VAC power input
16. Power switch

Specifications

	DS-8104HWI-ST	DS-8108HWI-ST	DS-8116HWI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC(1.0Vp-p, 75 Ω), PAL/NTSC self-adaptive	8-ch, BNC(1.0Vp-p, 75 Ω), PAL/NTSC self-adaptive	16-ch, BNC(1.0Vp-p, 75 Ω), PAL/NTSC self-adaptive
Audio compression	OggVorbis		
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI/ VGA output	1-ch, resolution: 1024×768 /60 Hz, 1280×720 /60 Hz,1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /60 Hz		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video spot output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video loop out	Optional		
Encoding resolution	WD1 / 2CIF / CIF / QCIF		
Frame rate	25fps (P) / 30fps (N)		
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (max. 8196 Kbps)		
Audio output	2-ch, BNC (Linear, 600 Ω)		
Audio bit rate	16 Kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Playback resolution	WD1 / 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	8 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	1 ,RJ45 10M / 100M / 1000M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	2, USB2.0		
Alarm in	4	16	16
Alarm out	2	4	4
General			
Power supply	220 VAC, 6.3A,47-63Hz		
Consumption	≤70W (without hard disk or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions (W × D × H)	445 × 470 × 90 mm		
Weight	≤ 8Kg (without hard disk or DVD-R/W)		

DS-7304/7308/7316HI-ST Standalone DVR

Key Features

- H.264 video compression
- HDMI and VGA output at 1920×1080P resolution
- Smart searching for motion event
- eSATA interface
- 4/8/16-ch synchronous playback
- SADP(IP Finder), SMTP, IPv6, SNMP, FTP, NFS, NDP , iSCSI protocols

Rear Panel of DS-7316HI-ST
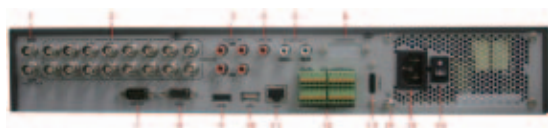
1. Main video out, spot video out
2. Video in
3. Audio in
4. Line in
5. CVBS audio out, vga audio out
6. Loop out
7. RS-232 interface
8. VGA
9. HDMI
10. USB
11. LAN interface
12. RS-485 serial interface, keyboard interface, alarm in, alarm out
13. eSATA interface
14. GND
15. 100~240 VAC power input
16. Power switch

Specifications

	DS-7304HI-ST	DS-7308HI-ST	DS-7316HI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	8-ch, BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	16-ch, BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive
Audio compression	G.711		
Audio input	4-ch, RCA (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI output (with HDMI audio output)	1-ch, resolution: 1080P:1920×1080 /60 Hz; UXGA: 1600×1200 /60 Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz.		
VGA output	1-ch, resolution: 1080P:1920×1080 /60 Hz; UXGA: 1600×1200 /60Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz.		
CVBS output	2-ch (1 Main Video Out+1 Spot Video Out), BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video loop out (optional)	4-ch	8-ch	16-ch
Encoding resolution	4CIF / 2CIF / CIF / QCIF		
Frame rate	Mode1: 4CIF @ 15 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: 1-ch: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), 3-ch: CIF / QCIF @ 25 fps (P) / 30 fps (N)	Mode1: 4CIF @ 12 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: 2-ch: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), 6-ch: CIF / QCIF @ 25 fps (P) / 30 fps (N)	Mode1: 4CIF @ 12 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) Mode2: 4-ch: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N), 12-ch: CIF / QCIF @ 25 fps (P) / 30 fps (N)
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3072 Kbps)		
Audio output	2-ch, RCA (Linear, 600 Ω)		
Audio bit rate	64 Kbps		
Dual-stream	Support Sub stream: CIF / QCIF		
Stream type	Video, Video & Audio		
Playback resolution	4CIF / 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	4 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	3, USB2.0		
Alarm in	8	8	16
Alarm out	4	4	4
General			
Power supply	100 ~ 240 VAC, 5A, 50~60Hz		
Consumption	≤ 25W (without hard disk or DVD-R/W)	≤ 30W (without hard disk or DVD-R/W)	≤ 35W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 1.5 U chassis		
Dimensions (W x D x H)	440 × 390 × 70 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-7304/7308/7316HFI-ST   Standalone DVR

Key Features

- H.264 video compression
- 4CIF resolution real time recording
- HDMI and VGA output at 1920×1080P resolution
- eSATA interface
- 4/8/16-ch synchronous playback
- SADP(IP Finder), SMTP, SNMP, FTP, NFS, NDP protocols

Rear Panel of DS-7304HFI-ST
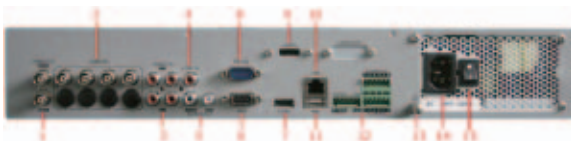
1. Main video out, Spot video out
2. Video in
3. Audio in
4. LINE in
5. CVBS audio out, VGA audio out
6. VGA
7. HDMI
8. RS-232 interface
9. eSATA
10. LAN interface
11. USB
12. RS-485 interface, controller port alarm in, alarm out
13. GND
14. 100~240 VAC power input
15. Power switch

Specifications

	DS-7304HFI-ST	DS-7308HFI-ST	DS-7316HFI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch, BNC (1.0 Vp-p,75 Ω), PAL / NTSC self-adaptive	8-ch, BNC (1.0 Vp-p,75 Ω), PAL / NTSC self-adaptive	16-ch, BNC (1.0 Vp-p,75 Ω), PAL / NTSC self-adaptive
Audio compression	G.711		
Audio input	4-ch, RCA (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
HDMI output (with HDMI audio output)	1-ch, resolution: 1080P:1920×1080 /60 Hz; UXGA: 1600×1200 /60 Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz.		
VGA output	1-ch, resolution: 1080P:1920×1080 /60 Hz; UXGA: 1600×1200 /60Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz.		
CVBS output	2-ch (1 Main Video Out+1 Spot Video Out), BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480		
Video loop out (optional)	4-ch	8-ch	16-ch
Encoding resolution	4CIF / 2CIF / CIF / QCIF		
Frame rate	25 fps (P) / 30 fps (N)		
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (max. 3072 Kbps)		
Audio output	2-ch, RCA (linear, 600Ω)		
Audio bit rate	64 Kbps		
Dual-stream	Support, Sub stream: CIF / QCIF		
Stream type	Video, Video & Audio		
Playback resolution	4CIF / 2CIF / CIF / QCIF		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	4 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 4TB capacity for each disk		
External interface			
Network interface	1 ,RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control)		
USB interface	3, USB2.0		
Alarm in	8	8	16
Alarm out	4		
General			
Power supply	100 ~ 240 VAC, 5A, 50~60Hz		
Consumption	≤ 25W (without hard disk or DVD-R/W)	≤ 30W (without hard disk or DVD-R/W)	≤ 35W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ + 55 °C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 1.5 U chassis		
Dimensions(W x D x H)	440 × 390 × 70 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		

DS-7204/7208/7216HVI-ST   Standalone DVR

DS-7216HVI-ST


DS-7204HVI-ST

DS-7208HVI-ST

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- VGA output at 1280 × 1024 resolution
- 4/8/16-ch synchronous playback
- Dual-stream
- SADP(IP Finder), NTP, DHCP, SMTP protocols

Rear Panel of DS-7216HVI-ST

1. Main / spot video out
2. Video in
3. Audio in
4. Line in
5. Audio out
6. VGA interface
7. RS-232 serial interface
8. LAN
9. USB interface
10. RS-485 interface
11. Alarm in, alarm out
12. 12 VDC power supply interface
13. Power switch
14. GND

Specifications

	DS-7204HVI-ST	DS-7208HVI-ST	DS-7216HVI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch	8-ch	16-ch
Video interface	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio compression	G.711		
Audio input	4-ch, RCA connector (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024 × 768 /60 Hz		
CVBS output	2-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	1-ch, RCA connector (linear, 1 kΩ)		
Video/Audio output			
Recording resolution	4CIF / 2CIF / CIF		
Frame rate	Main stream: 4CIF / 2CIF: 12 fps	Main stream: 4CIF / 2CIF: 8 fps	Main stream: 4CIF / 2CIF: 6 fps
	Sub stream: CIF / QCIF		
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)		
Stream type	Video, Video & Audio		
Audio bit rate	64 kbps		
Dual-stream	Support		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	1 SATA interface	2 SATA interfaces	2 SATA interfaces
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1 ,RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-485 interface, 1 RS-232 interface		
USB interface	2, USB 2.0		
Alarm in	4	8	16
Alarm out	1	4	4
General			
Power supply	12 VDC		
Consumption	≤ 10W (without hard disk or DVD-R/W)	≤ 10W (without hard disk or DVD-R/W)	≤ 15W (without hard disk or DVD-R/W)
Working temperature	-10°C ~ +55°C		
Working humidity	10% ~ 90%		
Chassis	Stand-alone 1U chassis	19-inch standard rack-mounted 1U chassis	19-inch standard rack-mounted 1.5U chassis
Dimensions (W x D x H)	315 × 230 × 45 mm	445 × 290 × 45 mm	445 × 390 × 70 mm
Weight	≤ 2kg (without hard disk or DVD-R/W)	≤ 4kg (without hard disk or DVD-R/W)	≤ 8kg (without hard disk or DVD-R/W)

DS-7204/7208/7216HVI-ST/SE   Standalone DVR

DS-7216HVI-ST/SE

DS-7204HVI-ST/SE

DS-7208HVI-ST/SE

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- VGA output at 1280 × 1024 resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder), NTP, DHCP, SMTP protocols

Rear Panel of DS-7216HVI-ST/SE

1. USB interface
2. Video out
3. Video in
4. Audio in, audio out
5. VGA interface
6. LAN
7. RS-485 interface
8. 12 VDC power supply interface
9. Power switch
10. GND

Specifications

	DS-7204HVI-ST/SE	DS-7208HVI-ST/SE	DS-7216HVI-ST/SE
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch	8-ch	16-ch
Video interface	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio compression	G.711		
Audio input	1-ch, RCA connector (2 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
Recording resolution	4CIF / 2CIF / CIF		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024 × 768 /60 Hz		
CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	1-ch, RCA connector (linear, 1 kΩ)		
Frame rate	Main stream: 4CIF / 2CIF@12 fps, CIF@25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF	Main stream: 4CIF / 2CIF@8 fps, CIF@25 fps (P) / 30 fps (N)	Main stream: 4CIF / 2CIF@6 fps, CIF@25 fps (P) / 30 fps (N)
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)		
Stream type	Video, Video & Audio		
Audio bit rate	64 kbps		
Dual-stream	Support		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	1 SATA interface	1 SATA interface	2 SATA interfaces
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10 M / 100 M adaptive ethernet interface		
Serial interface	1 RS-485 interface, 1 RS-232 interface		
USB interface	2, USB 2.0		
General			
Power supply	12 VDC		
Consumption	≤10W (without hard disk or DVD-R/W)	≤10W (without hard disk or DVD-R/W)	≤15W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	Stand-alone 1U chassis	19-inch standard rack-mounted 1U chassis	19-inch standard rack-mounted 1.5U chassis
Dimensions (W x D x H)	315 × 230 × 45 mm	445 × 290 × 45 mm	445 ×390 ×70 mm
Weight	≤2kg (without hard disk or DVD-R/W)	≤4kg (without hard disk or DVD-R/W)	≤8kg (without hard disk or DVD-R/W)

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DS-7204/7208/7216HVI-ST/SN Standalone DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- VGA output at 1280 × 1024 resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder), NTP, DHCP, SMTP protocols
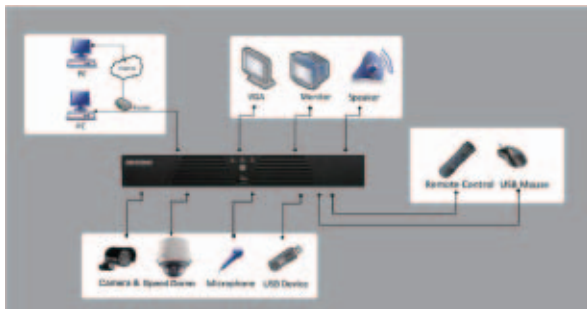
Rear Panel of DS-7216HVI-ST/SN

1. USB interface
2. Video out
3. Video in
4. Audio in
5. Audio out
6. VGA interface
7. LAN
8. RS-485 interface
9. 12 VDC power supply interface
10. Power switch
11. GND

Specifications

	DS-7204HVI-ST/SN	DS-7208HVI-ST/SN	DS-7216HVI-ST/SN
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch	8-ch	16-ch
Video input interface	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio compression	G.711		
Audio input	1-ch, RCA connector (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ) , (Using audio in)		
Video/Audio output			
Recording resolution	4CIF / 2CIF / CIF		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024 × 768 /60 Hz		
CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	1-ch, RCA connector (linear, 1 kΩ)		
Frame rate	Main stream: 4CIF / 2CIF: 12 fps	Main stream: 4CIF / 2CIF: 8 fps	Main stream: 4CIF / 2CIF: 6 fps
	Sub stream: CIF / QCIF		
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)		
Stream type	Video, Video & Audio		
Audio bit rate	64 kbps		
Dual-stream	Support		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	1 SATA interface		
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M adaptive Ethernet interface		
Serial interface	1 RS-485 interface, 1 RS-232 interface		
USB interface	2, USB 2.0		
General			
Power supply	12 VDC		
Consumption	≤ 10W (without hard disk or DVD-R/W)	≤ 10W (without hard disk or DVD-R/W)	≤ 15W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Dimensions (W x D x H)	315 × 230 × 45 mm		
Weight	≤ 2kg (without hard disk or DVD-R/W)		

DS-7204/7208/7216HFI-ST   Standalone DVR

DS-7208/7216HFI-ST

DS-7204HFI-ST

Key Features

- H.264 video compression
- 4CIF resolution real time recording
- VGA output at 1280 × 1024 resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder),NTP, DHCP,SMTP protocols
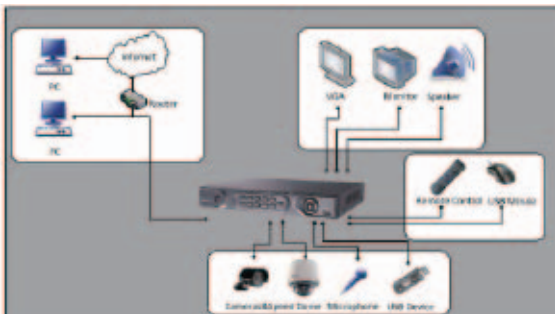
Rear Panel of DS-7216HFI-ST

1. Main/spot video out
2. Video in
3. Audio in
4. Line in
5. Audio out
6. VGA interface
7. RS-232 serial interface
8. LAN
9. USB interface
10. RS-485 interface
11. Alarm in, alarm out
12. 12 VDC power supply interface
13. Power switch
14. GND

Specifications

	DS-7204HFI-ST	DS-7208HFI-ST	DS-7216HFI-ST
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch	8-ch	16-ch
Video input interface	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio compression	G.711		
Audio input	4-ch, RCA connector (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024 × 768 /60 Hz		
CVBS output	2-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	1-ch, RCA connector (linear, 1 kΩ)		
Video/Audio output			
Recording resolution	4CIF / 2CIF / CIF		
Frame rate	Main stream: 4CIF / 2CIF / CIF @25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF		
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)		
Stream type	Video, Video & Audio		
Audio bit rate	64 kbps		
Dual-stream	Support		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	1 SATA interface	2 SATA interfaces	2 SATA interfaces
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-485 full-duplex interface, 1 RS-232 interface		
USB interface	2, USB 2.0		
Alarm in	4	8	16
Alarm out	1	4	4
General			
Power supply	12 VDC		
Consumption	≤10W (without hard disk or DVD-R/W)	≤10W (without hard disk or DVD-R/W)	≤15W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	Stand-alone 1U chassis	19-inch standard rack-mounted 1U chassis	19-inch standard rack-mounted 1U chassis
Dimensions (W x D x H)	315 × 230 × 45 mm	445 × 290 × 45 mm	445 × 290 × 45 mm
Weight	≤ 2kg (without hard disk or DVD-R/W)	≤ 4kg (without hard disk or DVD-R/W)	≤ 4kg (without hard disk or DVD-R/W)

DS-7204/7208/7216HFI-ST/SE　Standalone DVR

DS-7208/7216HFI-ST/SE

DS-7204HFI-ST/SE

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- VGA output at 1280 × 1024 resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder), NTP, DHCP,SMTP protocols
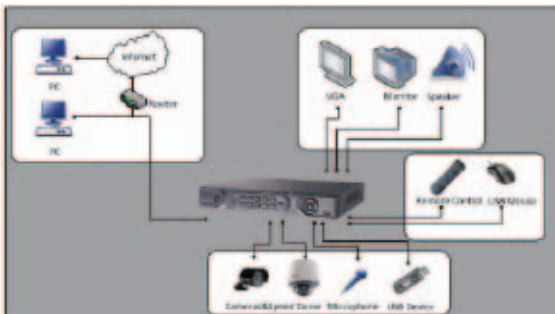
Rear Panel of DS-7216HFI-ST/SE

1. USB Interface	6. LAN
2. Video out	7. RS-485 interface
3. Video in	8. 12 VDC power supply interface
4. Audio in, audio out	9. Power switch
5. VGA interface	10. GND

Specifications

	DS-7204HFI-ST/SE	DS-7208HFI-ST/SE	DS-7216HFI-ST/SE
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch	8-ch	16-ch
Video interface	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio compression	G.711		
Audio input	1-ch,RCA connector (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
Recording resolution	4CIF / 2CIF / CIF		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024 × 768 /60 Hz		
CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	1-ch, RCA connector (linear, 1 kΩ)		
Frame rate	25 fps (P) / 30 fps (N)		
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)		
Stream type	Video, Video & Audio		
Audio bit rate	64 kbps		
Dual-stream	Support (sub stream at CIF / QCIF)		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	1 SATA interface	2 SATA interfaces	2 SATA interfaces
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-485 full-duplex interface		
USB interface	2, USB 2.0		
General			
Power supply	12 VDC		
Consumption	≤ 10W (without hard disk or DVD-R/W)	≤ 10W (without hard disk or DVD-R/W)	≤ 15W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	Stand-alone 1U chassis	19-inch rack-mounted 1U chassis	19-inch rack-mounted 1U chassis
Dimensions (W x D x H)	315 × 230 × 45 mm	445 × 290 × 45 mm	445 × 290 × 45 mm
Weight	≤ 2kg (without hard disk or DVD-R/W)	≤ 4kg (without hard disk or DVD-R/W)	≤ 4kg (without hard disk or DVD-R/W)

DS-7204/7208/7216HFI-ST/SN Standalone DVR

DS-7204/7208HFI-ST/SN

DS-7216HFI-ST/SN

Key Features

- H.264 video compression
- 4CIF resolution real time recording
- VGA output at 1280 × 1024 resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- SADP(IP Finder), NTP, DHCP, SMTP protocols
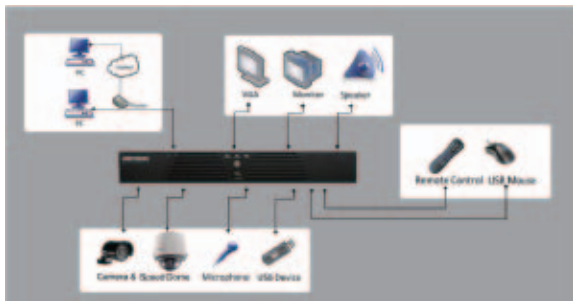
Rear Panel of DS-7208HFI-ST/SN

1. USB interface
2. Video out
3. Video in
4. Audio in
5. Audio out
6. VGA interface
7. LAN
8. RS-485 interface
9. 12 VDC power supply interface
10. Power switch
11. GND

Specifications

	DS-7204HFI-ST/SN	DS-7208HFI-ST/SN	DS-7216HFI-ST/SN
Video/Audio input			
Video compression	H.264		
Analog video input	4-ch	8-ch	16-ch
Video input interface	BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive		
Audio compression	G.711		
Audio input	1-ch, RCA connector (2.0 Vp-p, 1 kΩ)		
Voice talk input	1-ch, RCA (2.0 Vp-p, 1 kΩ) , (using audio in)		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024 × 768 /60 Hz		
CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	1-ch, RCA connector (linear, 1 kΩ)		
Video/Audio output			
Recording resolution	4CIF / 2CIF / CIF		
Frame rate	25 fps (P) / 30 fps (N)		
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)		
Stream type	Video, Video & Audio		
Audio bit rate	64 kbps		
Dual-stream	Support		
Synchronous playback	4-ch	8-ch	16-ch
Hard disk			
SATA	1 SATA interface	1 SATA interface	2 SATA interfaces
Capacity	Up to 2TB capacity for each disk		
External interface			
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface		
Serial interface	1 RS-485 half-duplex interface		
USB interface	2, USB 2.0		
General			
Power supply	12 VDC		
Consumption	≤10W (without hard disk or DVD-R/W)	≤10W (without hard disk or DVD-R/W)	≤15W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Chassis	Stand-alone 1U chassis	Stand-alone 1U chassis	19-inch rack-mounted 1U chassis
Dimensions (W x D x H)	315 × 230 × 45 mm	315 × 230 × 45 mm	445 × 290 × 45 mm
Weight	≤2kg (without hard disk or DVD-R/W)	≤2kg (without hard disk or DVD-R/W)	≤4kg (without hard disk or DVD-R/W)

DS-7204HVI-ST/L   Standalone DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- VGA output at 1280 × 1024 resolution
- 5 inch LCD display
- 4-ch synchronous playback
- Dual-stream
- SADP(IP Finder), NTP, DHCP, SMTP protocols

Rear Panel of DS-7204HVI-ST/L

01, Video in	07, RS-485 interface, alarm in, alarm
02, Video out	out
03, Audio in	08, VGA interface
04, Line in, audio out	09, RS-232 serial interface
05, LAN	10, 12 VDC power supply interface
06, USB interface	11, Power switch

Specifications

	DS-7204HVI-ST/L
Video/Audio input	
Video compression	H.264
Analog video input	4-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC self-adaptive
Audio compression	G.711
Audio input	4-ch, RCA connector (2.0 Vp-p, 1 kΩ)
Video/Audio output	
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz
CVBS output	2-ch, BNC connector (1.0 Vp-p,75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio output	1-ch, RCA connector (linear, 1 kΩ)
Recording resolution	4CIF / 2CIF / CIF
Frame rate	Main stream: 4CIF / 2CIF@12 fps, CIF@25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF
Video bit rate	32 kbps ~ 2048 kbps, or user defined (max. 3072 kbps)
Stream type	Video , Video & Audio
Audio bit rate	64 kbps
Dual-stream	Support
Synchronous playback	4-ch
Voice talk input	1-ch RCA (2.0 Vp-p, 1 kΩ)
Hard disk	
SATA	1 SATA interface
Capacity	Up to 2TB capacity
External interface	
Network interface	1, RJ45 10 M / 100 M self-adaptive ethernet interface
Serial interface	1 RS-485 interface, 1 RS-232 interface
USB interface	2, USB 2.0
Alarm in	4
Alarm out	1
General	
Power supply	12 VDC
Consumption	≤ 10W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C
Working humidity	10% ~ 90%
Chassis	Chassis for ATM DVR
Dimensions (W x D x H)	180 × 280 ×180 mm
Weight	≤5kg (without hard disk or DVD-R/W)

DS-9604/9608/9612/9616NI-SH　Embedded NVR

Key Features

- Third-party nerwork cameras supported
- HDMI output at 1920×1080 resolution
- 4/8/12/16-ch synchronous playback
- 8 SATA interfaces
- HDD group management
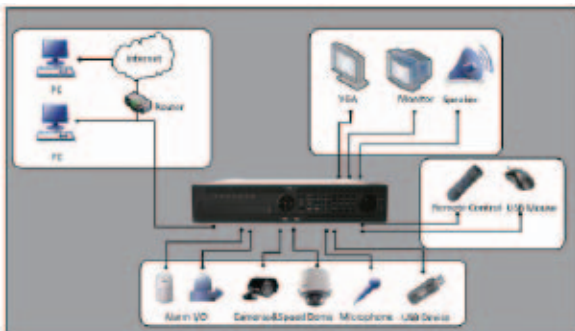
Rear Panel o DS-9600NI-SH

1. Video out (spot), audio out (spot)
2. Video out, audio out
3. Line in
4. VGA output
5. RS-232 serial interface
6. HDMI output
7. eSATA backup / extended storage interface (optional)
8. LAN (10/100/1000Mbps Self-adaptive UTP ethernet interface)
9. USB interface
10. RS-485 matched resistance switch
11. RS-485 serial interface, rs485 keyboard port, alarm in, alarm out
12. GND
13. 100~240 VAC power input

Specifications

	DS-9604NI-SH	DS-9608NI-SH	DS-9612NI-SH	DS-9616NI-SH
Video/Audio input				
IP Video input	4-ch 4CIF/ 2-ch 720P/ 1-ch UXGA/1080P Real Time, or 2-ch UXGA/1080P not Real Time	8-ch 4CIF/ 4-ch 720P/ 2-ch UXGA/1080P Real Time, or 4-ch UXGA/1080P not Real Time	12-ch 4CIF/ 6-ch 720P/ 3-ch UXGA/1080P Real Time, or 6-ch UXGA/1080P not Real Time	16-ch 4CIF/ 8-ch 720P/ 4-ch UXGA/1080P Real Time, or 8-ch UXGA/1080P not Real Time
Audio input	2-ch, BNC(2.0 Vp-p, 1 kΩ)			
Video/Audio output				
CVBS output	2-ch, BNC(1.0 Vp-p, 75 Ω), Resolution: 704×576(PAL); 704×480(NTSC)			
HDMI output	1-ch, resolution: 1024×768 /60 Hz,1280×1024 /60 Hz, 1920×1080 /60 Hz			
VGA output	1-ch, resolution: 1024×768 /60 Hz, 1024×768 /70 Hz, 1280×1024 /60 Hz			
Audio output	2-ch, BNC(linear electrical level, 600 Ω)			
Synchronous playback	4-ch	8-ch	12-ch	16-ch
Hard disk				
SATA	8 SATA interfaces			
Capacity	Up to 2TB capacity for each disk			
External interface				
Voice talk	2-ch, BNC(2.0 Vp-p, 1 kΩ)			
Network interface	1, RJ-45, 10/100/1000Mbps self-adaptive ethernet interface			
Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)			
USB interface	3, USB2.0			
Alarm in	16			
Alarm out	4			
General				
Power supply	100~240 VAC, 6.3A, 50~60Hz			
Consumption	≤70W (without hard disk or DVD-R/W)			
Working temperature	-10 °C ~ +55 °C			
Working humidity	10%~90%			
Dimensions (W x D x H)	450 x 450 x 95mm			
Weight	≤8kg (without hard disk or DVD-R/W)			

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DS-9508/9516NI-S   Embedded NVR

Key Features

- Third-party nerwork cameras supported
- Up to 5 Megapixels (2560×1920) recording resolution.
- 8 SATA interfaces
- One button archive
- HDD group management

Specifications

	DS-9508NI-S	DS-9516NI-S
Video/Audio input		
IP Video input	8-ch 4CIF/4-ch 720P/2-ch UXGA realtime, or 4-ch UXGA/2-ch 5 Megapixels not real time	16-ch 4CIF/8-ch 720P/4-ch UXGA real time, or 8-ch UXGA/4-ch 5 Megapixels not real time
Hard disk		
Type	8 SATA interfaces	
Capacity	Up to 2TB capacity for each disk	
External interface		
Network interface	1,RJ-45, 10/100/1000Mbps self-adaptive Ethernet interface	
Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)	
USB interface	2, USB2.0	
Alarm in	16	
Alarm out	4	
General		
Power supply	100~240 VAC, 6.3A, 50~60Hz	
Consumption	≤ 20W (without hard disk or DVD-R/W)	
Working temperature	-10 °C ~ +55 °C	
Working humidity	10%~90%	
Chassis	19-inch rack-mounted 2U chassis	
Dimensions (W x D x H)	450 × 470 ×90 mm	
Weight	≤ 8kg (without hard disk or DVD-R/W)	

Rear Panel of DS-9516NI-S

1. Reset
2. RS-232 serial interface
3. LAN (10/100/1000Mbps self-adaptive utp ethernet interface)
4. eSATA backup/extended Storage interface(optional)
5. RS-485 matched resistance switch
6. RS-485 serial interface, alarm in, alarm out
7. GND
8. 100~240 VAC power input

DS-7604NI-S   Embedded NVR

Key Features

- H.264/MPEG-4 video stream input
- Up to 5 Megapixels (2560×1920) resolution recording
- VGA output at 1024×768 resolution
- 4x digital zoom capability
- 4-ch synchronous playback
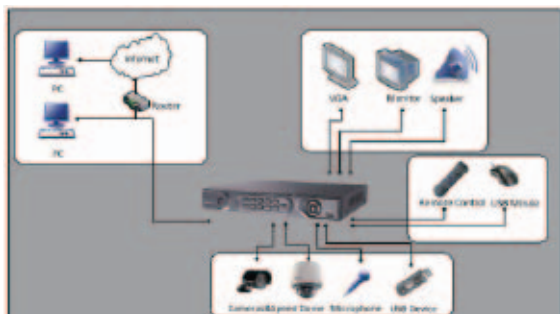
Rear Panel of DS-7604 NI-S

1. USB interface
2. Video out
3. Audio in
4. Aduio out
5. LAN
6. VGA interface
7. RS-485 interface, alarm in, alarm out
8. Power switch
9. 12 VDC power supply
10. GND

Specifications

	DS-7604NI-S
Video/Audio input	
IP Video input	4-ch 4CIF real time or 2-ch 720P / UXGA / 1080P real time or 1-ch 2560×1920 not real time
Audio input	1-ch, RCA(2.0 Vp-p, 1 kΩ), for voice talk input
Video/Audio output	
Live view resolution	PAL:704×576, NTSC:704×480
VGA output	1-ch, resolution:1024×768 /60 Hz
Playback resolution	2560×1920/ UXGA / 1080P / 720P / 4CIF / VGA / DCIF / 2CIF/ CIF / QCIF
Video output	1-ch, BNC (PAL: 704×576, NTSC: 704×480)
Frame rate	25fps (P) / 30fps (N)
Video bit rate	32 Kbps~2048 Kbps, or user defined (max. 16384 Kbps)
Audio output	1-ch, RCA(2.0 Vp-p, 1 kΩ), for voice talk output
Audio bit rate	16kbps
Synchronous playback	4-ch
Hard disk	
SATA	1 SATA interface
Capacity	Up to 2TB capacity for each disk
External interface	
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface
Serial interface	1 RS-485 interface
USB interface	2, USB2.0
Alarm in	4
Alarm out	1
General	
Power supply	12 VDC
Consumption	≤ 12W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C
Working humidity	10%~90%
Dimensions (W x D x H)	315 × 230 ×45 mm
Weight	≤ 2.5kg (without HDD or DVD-R/W)

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DS-7608NI-S Embedded NVR

Key Features

- H.264/MPEG-4 video stream input
- Up to 5 Megapixels (2560×1920) resolution
- VGA output at 1024×768 resolution
- 4-ch synchronous playback
- HDD group management
- 2 SATA interfaces

Rear Panel of DS-7608NI-S

1. USB interface
2. Video out
3. Audio in
4. Aduio out
5. LAN
6. VGA interface
7. RS-485 interface, alarm in, alarm out
8. 12 VDC power supply
9. GND
10. Power switch
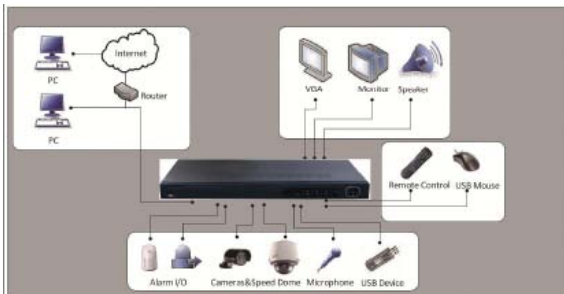
Specifications

	DS-7608NI-S
Video/Audio input	
IP Video input	8-ch 4CIF real time or 4-ch 720P / UXGA / 1080P real time or 2-ch 2560×1920 not real time
Audio input	1-ch, RCA(2.0 Vp-p, 1 kΩ), for voice talk input
Video/Audio output	
VGA output	1-ch, resolution: 1024×768 /60 Hz
Playback resolution	2560×1920 / UXGA / 1080P / 720P / 4CIF / VGA / DCIF / 2CIF / CIF / QCIF
Video output	1-ch, BNC (PAL: 704×576, NTSC: 704×480)
Frame rate	25fps (P) / 30fps (N)
Video bit rate	32Kbps~2048Kbps, or user defined (max. 16384 Kbps)
Audio output	1-ch, RCA(2.0 Vp-p, 1 kΩ), for voice talk output
Audio bit rate	16kbps
Synchronous playback	4-ch
Hard disk	
SATA	2 SATA interfaces
Capacity	Up to 2TB capacity for each disk
External interface	
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface
Serial interface	1 RS-485 interface
USB interface	2, USB2.0
Alarm in	4
Alarm out	1
General	
Power supply	12 VDC
Consumption	≤ 12W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C
Working humidity	10%~90%
Dimensions (W x D x H)	445 × 290 × 44 mm
Weight	≤ 8kg (without HDD or DVD-R/W)

DS-8104/8108AH(L)I-ST ATM DVR

Key Features

- H.264 video compression
- VGA output at 1280×1024 resolution
- Up to 4CIF resolution recording
- Dual-stream
- 4 SATA interfaces
- HDD group management
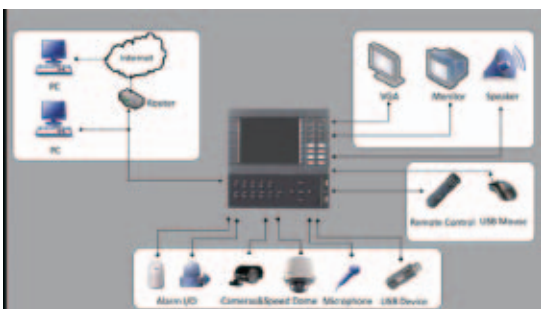
Rear Panel of DS-8108AH(L)I-ST

1. Video in
2. Audio in
3. Video out, audio out, line in
4. RS-232 interface
5. VGA
6. LAN interface
7. eSATA interface
8. RS-485 interface
9. Alarm in, alarm out
10. 12 VDC power output for camera
11. Power switch
12. GND

Specifications

	DS-8104AH(L)I-ST	DS-8108AH(L)I-ST
Video/Audio input		
Video compression	H.264	
Analog video input	4-ch, BNC (1.0 Vp-p, 75 Ω) PAL / NTSC self-adaptive	8-ch, BNC (1.0 Vp-p, 75 Ω) PAL / NTSC self-adaptive
Audio compression	OggVorbis	
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)	
Video/Audio output		
Preview resolution	PAL: 704 × 576, NTSC: 704 × 480	
CVBS output	1, BNC (1.0 Vp-p, 75 Ω), Resolution: PAL: 704 × 576, NTSC: 704 × 480	
VGA output	1, Resolution: 1024 × 768 /60 Hz	
LCD display	Available on DS-8104AHLI-ST and DS-8108AHLI-ST models	
Encoding resolution	Channel 1: 4CIF / 2CIF / CIF / QCIF Channel 2-4: CIF / QCIF	Channel 1: 4CIF / 2CIF / CIF / QCIF Channel 2-8: CIF / QCIF
Frame rate	25 fps (P) / 30 fps (N)	
Video bit rate	32 Kbps - 2048 Kbps, or user defined (max. 3072 Kbps)	
Audio output	1-ch, BNC (linear electrical level, 600 Ω)	
Audio bit rate	64 Kbps	
Dual stream	Support	
Stream type	Video, Video & Audio	
Synchronous playback	4-ch	
Hard disk		
SATA	4 SATA interfaces	
eSATA	1 eSATA interface (optional)	
Capacity	Up to 2 TB capacity for each disk	
External interface		
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface	
Serial interface	1 RS-232 interface, 1 RS-485 interface	
USB interface	2, USB 2.0	
Alarm in	9	
Alarm out	4	
General		
Power supply	100 - 240 VAC, 6.3A, 50 - 60Hz	
Consumption	≤ 40W (without hard disk or DVD-R/W)	≤ 45W (without hard disk or DVD-R/W)
Working temperature	-10 °C ~ +55 °C	
Working humidity	10% ~ 90%	
Dimensions (W × D × H)	180 × 280 × 180 mm	
Weight	≤ 5kg (without hard disk or DVD-R/W)	

DS-8104/8108AHF(L)I-ST   ATM DVR

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Key Features

- H.264 video compression
- 4CIF resolution real time recording
- Dual-stream
- 4 SATA interfaces
- HDD group management

Rear Panel of DS-8108AHF(L)I-ST

1. Video in
2. Audio in
3. Video out, audio out, line in
4. RS-232 interface
5. VGA
6. LAN interface
7. eSATA interface
8. RS-485 interface
9. Alarm in, alarm out
10. 12 VDC power output for camera
11. Power switch
12. GND

Specifications

	DS-8104AHF(L)I-ST	DS-8108AHF(L)I-ST
Video/Audio input		
Analog video input	4-ch	8-ch
	BNC connector (1.0 Vp-p, 75 Ω); PAL/NTSC self-adaptive	
Audio input	4-ch	8-ch
	BNC connector (2.0 Vp-p, 1 kΩ)	
Voice talk input	1-ch, BNC connector (2.0 Vp-p, 1 kΩ)	
Video/Audio output		
CVBS output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704×576, NTSC: 704×480	
VGA output	1-ch, resolution: 1280×1024 / 60 Hz , 1024×768 / 60 Hz	
LCD Display	Available on DS-8104AHFLI-ST and DS-8108AHFLI-ST models	
Audio output	1-ch, BNC connector (linear, 600 Ω)	
Video/Audio encoding		
Video compression	H.264	
Recording resolution	4CIF/ DCIF / 2CIF / CIF / QCIF	
Frame rate	25 fps(P) /30 fps(N)	
Video bit rate	32 Kbps~2048 Kbps, or user defined (max. 3072 Kbps)	
Stream type	Video, Video & Audio	
Dual stream	Support	
Audio compression	OggVorbis	
Audio bit rate	16kbps	
Synchronous playback	2-ch	4-ch
Hard disk		
SATA	4 SATA interfaces	
eSATA	1 eSATA interface (optional)	
Capacity	Up to 2TB capacity for each disk	
External interface		
Network interface	1, RJ45 10M/100M/1000M self-adaptive ethernet interface	
Serial interface	1 RS-485 interface, 1 RS-232 interface	
USB interface	2, USB2.0	
Alarm in	9	
Alarm out	4	
General		
Power supply	100 ~ 240 VAC, 6.3A, 50~60 Hz	
Consumption	≤ 40W (without hard disk or DVD-R/W)	≤ 45W (without hard disk or DVD-R/W)
Working temperature	-10 ℃ ~+55 ℃	
Working humidity	10%~90%	
Chassis	Chassis for ATM DVR	
Dimensions (W × D × H)	180 × 280 × 180 mm	
Weight	≤ 5kg (without hard disk or DVD-R/W)	

DS-8104HMI-A   Mobile DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- 2x2.5-inch SATA interfaces
- Patented hard disk vibration-proof and bracing technology
- Built-in 3G (WCDMA/cdma2000) module (optional)
- Built-in GPS module

Rear Panel of DS-8104HMI-A

1. DC in power input & key startup control interface
2. Aviation plug for video/audio input, power output
3. Video / audio output
4. Main / Aux antenna interface for wireless network
5. SIM / UIM card interface
6. GPS antenna interface
7. USB interface
8. LAN network interface
9. DC out power output (+5V/+12V)
10. RS485 interface
11. Wired-remote control
12. Alarm input
13. Alarm output

Specifications

	DS-8104HMI-A
Video/Audio input	
Video compression	H.264
Video input	4-ch, aviation interface (PAL / NTSC self-adaptive; 1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis, 16Kbps
Audio input	4-ch, aviation interface (linear level, 1 kΩ)
Video/Audio output	
Preview resolution	PAL:704×576, NTSC:704×480
Encoding resolution	4CIF/ DCIF / 2CIF / CIF / QCIF
Video output	1-ch, aviation interface (PAL / NTSC self-adaptive; 1.0 Vp-p, 75 Ω)
Frame rate	4CIF:6fps DCIF:12fps 2CIF:15fps CIF/QCIF:25fps (P) /30fps (N)
Video bit rate	32 Kbps~2048 Kbps, or user defined (max. 8 Mbps)
Audio output	1-ch, aviation interface (linear level, 600 Ω)
Stream type	Video, Video & Audio
Hard disk	
SATA	2 SATA interfaces
Size	2.5-inch
External interface	
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface
3G antenna interface	2 antennas, SMA interface
Serial interface	1, RS-485 interface
USB interface	1, USB 2.0
Alarm in	7-ch input, the 8th channel is reserved
Alarm out	2-ch
Remote control	IR remote controller
GPS	Built-in GPS module, 1 antenna, SMA interface
General	
Power input	6-36 VDC
Power output	12V/2A DC, 5V/2A DC output, built-in resettable fuse
Power-off delay	Shut down delay after ignition off (from 5mintes to 6hours)
Schedule On/Off:	Daily scheduled power on/off (00:00~24:00)
Consumption	≤ 10W (without SD cards)
Working temperature	-15 °C ~ +55 °C
Working humidity	10%~95%
Dimensions (W × D × H)	210 × 236 × 73 mm
Weight	≤3kg (without SD cards)

DS-8104HMI-B   Mobile DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- 2 x 2.5-inch SATA interfaces
- Patented hard disk vibration-proof and bracing technology
- Built-in 3G (WCDMA/cdma2000) module (optional)
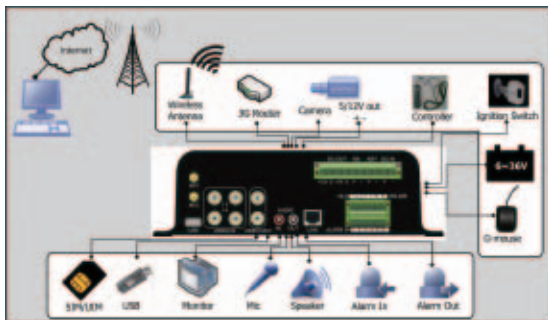
Rear Panel o DS-8104HMI-B
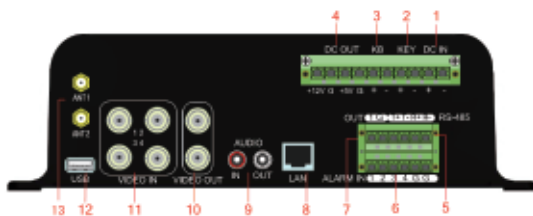
1. DC in power input
2. Key startup control interface
3. Wired-remote control
4. DC out power output
5. RS485 interface
6. Alarm input
7. Alarm output
8. LAN network interface
9. Audio input/output
10. Video output, 1-Main, 2-Aux
11. Video input, 4-ch
12. USB interface
13. Main / Aux antenna interface for wireless network

Specifications

	DS-8104HMI-B
Video/Audio input	
Video compression	H.264
Video input	4-ch, BNC (1.0 Vp-p, 75Ω), PAL / NTSC self-adaptive
Audio compression	OggVorbis, 16Kbps
Audio input	1-ch, RCA (2.0~2.4 Vp-p, 1 kΩ)
Video/Audio output	
Preview resolution	PAL:704×576, NTSC:704×480
Encoding resolution	4CIF/ DCIF / 2CIF / CIF / QCIF
Video output	2-ch, BNC(1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive
Frame rate	4CIF:6fps DCIF:12fps 2CIF:15fps CIF/QCIF:25fps (P) /30fps (N)
Video bit rate	32 Kbps~2048 Kbps, or user defined (max. 8 Mbps)
Audio output	1-ch, RCA(2.0~2.4 Vp-p, 600 Ω)
Stream type	Video, Video & Audio
Hard disk	
SATA	2 SATA interfaces
Size	2.5-inch
External interface	
Network interface	1, RJ45 10M / 100M self-adaptive ethernet interface
3G antenna interface	2 antennas, SMA interface
Serial interface	1, RS-485 interface
USB interface	1, USB 2.0
Alarm in	4-ch
Alarm out	1-ch
Remote control	IR remote controller
GPS	connect external GPS module via RS-485 port
General	
Power input	6-36 VDC
Power output	12V/2A DC, 5V/2A DC output, built-in resettable fuse
Power-off delay	Shut down delay after ignition off (from 5mintes to 6hours)
Schedule On/Off:	Daily scheduled power on/off (00:00~24:00)
Consumption	≤10W (without SD cards)
Working temperature	-15 °C ~ +55 °C
Working humidity	10% ~ 95%
Dimensions (W × D × H)	210 × 236 × 73 mm
Weight	≤3kg (without SD cards)

DS-8104HMI-M   Mobile DVR

Key Features

- H.264 video compression
- Up to 4CIF resolution recording
- SD card slot for on-board storage
- Patented hard disk vibration-proof and bracing technology
- Built-in 3G (WCDMA/cdma2000) module (optional)
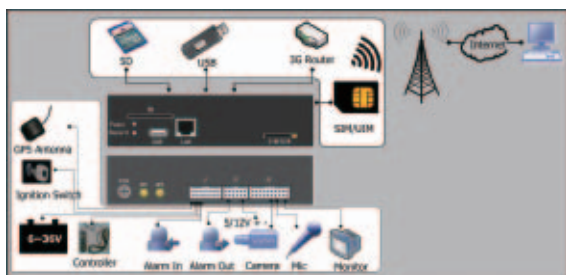
Panel of DS-8104HMI-M

1. Safety fuse
2. Antenna interface for wireless network
3. GPS antenna interface
4. Power Input, driving signal input, wired-remote control & KEY startup control interface
5. RS485, power output and alarm out interface
6. Video input/output & camera power interface

1. SD card interface
2. SIM/UIM card interface
3. UTP network interface
4. USB interface
5. Indicators

	DS-8104HMI-M
Video/Audio input	
Video compression	H.264
Video input	4-ch, Aviation Connector(1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis, 16 Kbps
Audio input	2-ch, Aviation Interface (linear electrical level, 1 kΩ)
Video/Audio output	
Preview resolution	PAL: 704 × 576, NTSC: 704 × 480
Encoding resolution	4CIF/DCIF/2CIF/CIF/QCIF
Video output	1-ch, (PAL/NTSC self-adaptive; 1.0 Vp-p, 75 Ω)
Frame rate	4CIF:6 fps DCIF:12 fps 2CIF:15 fps CIF/QCIF:25 fps(P) /30 fps(N)
Video bit rate	32 Kbps~2048 Kbps, or user defined (Max. 8 Mbps)
Audio output	1-ch, BNC(2.0~2.4 Vp-p, 600 Ω)
Stream Type	Video, Video & Audio
External interface	
Network interface	1, RJ45 10M/100M self-adaptive ethernet interface
3G antenna interface	2 antennas, SMA interface
USB interface	1, USB 2.0
SD Card Interface	Support 1 SD/SDHC card for recording
Serial interface	1, RS-485 interface
Alarm in	7-ch input, the 8th channel is reserved
Alarm out	2-ch
GPS	Built-in module, 1 antenna, SMA interface (optional)
General	
Power input	6~36 VDC
Power output	12 VDC /5 VDC, built-in resettable fuse
Power-off Delay	Shut down delay after ignition off (from 5min to 6h)
Schedule On/Off:	Daily scheduled power on/off (00:00~24:00)
Consumption	≤5 W (without SD cards)
Working temperature	-15 °C ~ +55 °C
Working humidity	10%~95%
Dimensions (W × D × H)	105 × 155 × 45 mm
Weight	≤1 kg (without SD card)

DS-8104/8108/8112/8116HMFI-T   Mobile DVR

Key Features

- H.264 video compression
- 2x2.5" pluggable SATA HDD/SSD
- Power-off protection and redundant power supply
- Built-in 3G (WCDMA/cdma2000) module
- Built-in high-sensitivity GPS module
- Various interfaces

Specifications

	DS-8104HMFI-T	DS-8108HMFI-T	DS-8112HMFI-T	DS-8116HMFI-T
Video/Audio input				
Analog Video Input	4-ch	8-ch	12-ch	16-ch
	Aviation plug (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive			
Audio Input	4-ch	8-ch	12-ch	16-ch
	Aviation plug (linear electrical level, 1 kΩ)			
Video/Audio output				
Video Output	2-ch CVBS video output, aviation plug (1.0 Vp-p , 75 Ω) Resolution: PAL: 704×576, NTSC: 704×480			
Audio Output	2-ch, aviation plug (linear electrical level, 600 Ω)			
Video/Audio Compression				
Video Compression	H.264			
Encoding resolution	4CIF/ DCIF / 2CIF / CIF / QCIF			
Video Frame Rate	25 fps(P) /30 fps(N)			
Video Bit Rate	32 Kbps~2048 Kbps, or user defined (Max. 8 Mbps)			
Stream Type	Video, Video & Audio			
Audio Compression	G.711			
Audio Bit Rate	16 Kpbs			
HDD Disk				
HDD Type	2 2.5-inch SATA interfaces for Pluggable HDD /SSD disks			
HDD Patent	Patented hard disk vibration reduction technology			
Data Backup	Backup by pluggable HDD /eSATA /USB devices			
Wireless Transmission				
3G	Built-in cdma2000, WCDMA module (optional)			
GPS				
GPS	Built-in high-sensitivity GPS chip			
External Interfaces				
Driving Information Collection	4-ch high/low-level signal input, 1-ch pulse signal input (reserved)			
Alarm In	3-ch high/low-level signal input			
Alarm Out	2-ch relay output			
LAN	1 RJ-45 network interface			
Antenna interface	SMA interfaces for 2 3G antennas, 1 WIFI antenna and 1 GPS antenna			
USB/eSATA Interface	1 USB/eSATA Interface			
Serial Interface	1 RS-232 interface;1 RS-422 interface			
SIM	1 standard SIM slot			
SD/SDHC	1 standard SD/SDHC slot			
General				
Operating System	Embedded Linux Operating System			
Power Supply	Input: +6 ~ +36 VDC; Output: +12 VDC /2 A, +5 VDC /2 A			
Operating Mode	IR Remote Control			
Power Consumption	≤ 25 W			
Working Temperature	-15 °C ~ +55 °C			
Working Humidity	10% ~ 95%			
Dimensions (W×D×H)	205 × 251× 102.3 mm			
Weight	≤ 4.5 kg			

DS-1004HMI   Mobile DVR Backup Device

Key Features

• Suitable for DS-8100HMI, DS-8008HMI/HMFI, DS-8012HMI/HMFI, DS-8104/8108/8112/8116HMFI-T

• Simple and convenient

• 2 SATA and 1 eSATA interface

Rear Panel of DS-1004HMI

1. USB interface
2. USB status Indicator
3. Power status Indicator
4. eSATA interface
5. DC IN interface

Specifications

	DS-1004HMI
Hard disk	
SATA	2 SATA interface
Capacity	support 2.5" SATA HDD /SSD
External interface	
e-SATA interface	1 eSATA interface
USB interface	1 USB2.0 interface
General	
Power supply	+12 VDC
Power consumption	2 W (without HDD)
Working temperature	-15 °C~+55 °C
Working humidity	10%~90%
Dimensions (W × D × H)	203 x 146 x 79 mm
Weight	≤ 1.5 kg (without HDD)

DIGITAL VIDEO SERVER

DS-6601/6602/6604HFI Digital Video Server

Key Features

• H.264 video compression

• 4CIF resolution recording

• Dual-stream

• SADP (IP finder), UDP, RTP and RTSP network protocols

Rear Panel of DS-6604HFI

1. GND	9. Veideo in
2. DC12V	10. Audio in
3. RS-485 serial interface	11. Line in
4. Alarm out	12. Audio out
5. Alarm in	
6. Reset	
7. LAN (10M/100Mbps self-adaptive UTP Ethernet interface)	
8. RS-232 Serial Interface	
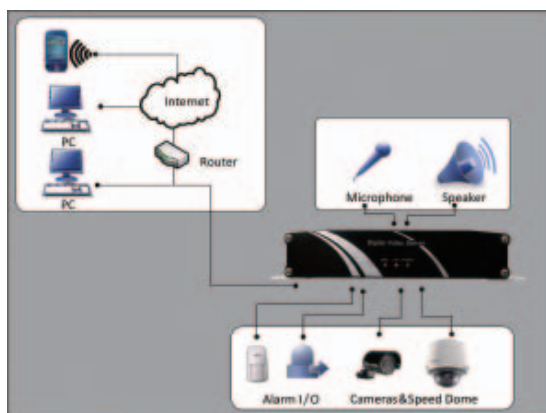
Specifications

	DS-6601HFI	DS-6602HFI	DS-6604HFI
Video/Audio input			
Video Compression	H.264		
Video input	1-ch, BNC (1.0 Vp-p, 75 Ω)	2-ch, BNC (1.0 Vp-p, 75 Ω)	4-ch, BNC (1.0 Vp-p, 75 Ω)
Audio Compression	OggVorbis		
Audio input	1-ch, BNC (2.0 Vp-p, 1 kΩ)	2-ch, BNC (2.0 Vp-p, 1 kΩ)	4-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)		
Video/ Audio output			
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)		
Encoding resolution	4CIF / 2CIF / CIF / QCIF		
Frame rate	4CIF: 25 fps (P) /30 fps (N)		
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3 Mbps)		
Audio bit rate	64 Kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
External interface			
Network interface	1RJ-45 10 M /100 Mbps self-adaptive UTP ethernet interface		
Serial interface	1 RS-485 interface (PTZ control), 1 RS-232 interface		
Alarm in	4		
Alarm out	2		
General			
Power supply	12 VDC		
Consumption	≤ 8 W (without HDD or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Dimensions (W ×D × H)	200.5 × 136 × 42 mm		
Weight	≤ 2 kg		

DS-6601/6602/6604HFI-SATA   Digital Video Server

Key Features

- H.264 video compression
- 4CIF resolution recording
- Dual-stream
- SADP(IP finder), UDP, RTP and RTSP network protocols

Rear Panel of DS-6604HFI-SATA

1. DC12V
2. RS-485 serial interface
3. Alarm out
4. Alarm in
5. Reset
6. LAN (10M/100Mbps self-adaptive
   UTP Ethernet interface)
7. RS-232 serial interface
8. Vedeo in
9. Audio in
10. Line in
11. Audio out
12. G

Specifications

	DS-6601HFI-SATA	DS-6602HFI-SATA	DS-6604HFI-SATA
Video/Audio input			
Video Compression	H.264		
Video input	1-ch, BNC (1.0 Vp-p, 75 Ω)	2-ch, BNC (1.0 Vp-p, 75 Ω)	4-ch, BNC (1.0 Vp-p, 75 Ω)
Audio Compression	OggVorbis		
Audio input	1-ch, BNC (2.0 Vp-p, 1 kΩ)	2-ch, BNC (2.0 Vp-p, 1 kΩ)	4-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)		
Video/ Audio output			
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)		
Encoding resolution	4CIF / 2CIF / CIF / QCIF		
Frame rate	4CIF: 25 fps (P) / 30 fps (N)		
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3 Mbps)		
Audio bit rate	64 Kbps		
Dual-stream	Support		
Stream type	Video, Video & Audio		
Hard disk			
SATA	1 SATA interface		
Capacity	Up to 2 TB capacity		
External interface			
Network interface	1RJ-45 10 M /100 Mbps self-adaptive UTP ethernet interface		
Serial interface	1 RS-485 interface (PTZ control), 1 RS-232 interface		
Alarm in	4		
Alarm out	2		
General			
Power supply	12 VDC		
Consumption	≤ 8 W (without HDD or DVD-R/W)		
Working temperature	-10 °C ~ +55 °C		
Working humidity	10% ~ 90%		
Dimensions (W ×D × H)	315 × 201 × 45 mm		
Weight	≤ 2 kg (without HDD)		

DS-6508/6516HCI　Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual-stream
- Variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-level user access management
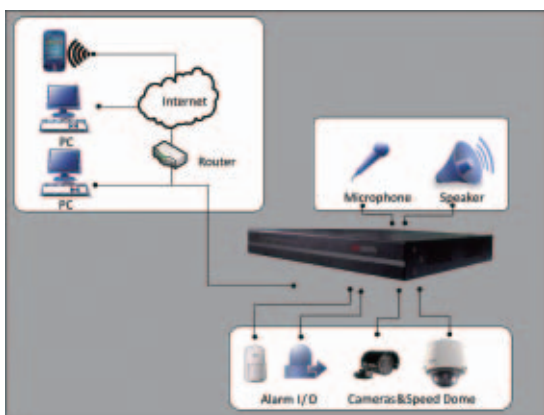
Rear Panel of DS-6508HCI

1. Video in,audio in
2. Loop out (optional)
3. Line in
4. Audio out
5. RS-232 serial interface
6. Power On/Off
7. LAN (10/100/1000Mbps self-adaptive UTP Ethernet interface)
8. Reset
9. RS-485 serial iInterface
10. Alarm out
11. Alarm in
12. AC220V power input
13. GND

Specifications

	DS-6508HCI	DS-6516HCI
Video/Audio input		
Video Compression	H.264	
Video input	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis	
Audio input	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)	
Video/Audio output		
Video loop out	DB26 connector (Optional)	
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)	
Encoding resolution	4CIF / 2CIF / CIF / QCIF	
Frame rate	4CIF: 8 fps 2CIF: 16 fps, CIF: 25 (P) /30 (N) fps	4CIF: 2 fps 2CIF: 12 fps, CIF: 25 (P) /30(N) fps
Video bit rate	32 Kbps ~ 1024 Kbps, or user defined (Max. 1 Mbps)	
Dual-stream	Support	
Stream type	Video, Video & Audio	
External interface		
Network interface	1RJ45 10 /100 /1000Mbps self-adaptive UTP Ethernet interface	
Serial interface	1 RS485, 1 RS232 (DB9 Port)	
Alarm in	16	
Alarm out	4	
General		
Power supply	100 ~ 240 VAC, 6.3 A, 50~60 Hz	
Consumption	≤ 40 W (without HDD)	
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)	
Working humidity	10% ~ 90%	
Dimensions (W × D × H)	440 × 300 × 45 mm	
Chassis	1U, 19-inch	
Weight (without HDD)	≤ 5 kg	

HIKVISION

DS-6508/6516HCI-SATA   Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual-stream
- Variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-level user access management
- 1 SATA interface for local storage
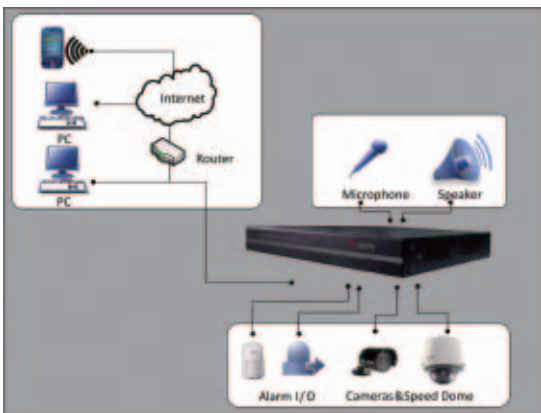
Rear Panel of DS-6508HCI-SATA

1. Video in,audio in
2. Loop out (optional)
3. Line in
4. Audio out
5. RS-232 serial interface
6. Power On/Off
7. LAN (10/100/1000Mbps self-adaptive UTP Ethernet interface)
8. Reset
9. RS-485 Serial Interface
10. Alarm out
11. Alarm in
12. AC220V power input
13. GND

Specifications

	DS-6508HCI-SATA	DS-6516HCI-SATA
Video/Audio input		
Video Compression	H.264	
Video input	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis	
Audio input	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)	
Video/Audio output		
Video loop out	DB26 connector (Optional)	
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)	
Encoding resolution	4CIF / 2CIF / CIF / QCIF	
Frame rate	4CIF: 8 fps 2CIF: 16 fps, CIF: 25 (P) /30 (N) fps	4CIF: 2 fps 2CIF: 12 fps, CIF: 25 (P) /30 (N) fps
Video bit rate	32 Kps ~ 1024 Kbps, or user defined (Max. 1 Mbps)	
Dual-stream	Support	
Stream type	Video, Video & Audio	
Hard disk		
SATA	1 SATA interface	
Capacity	Up to 2TB	
External interface		
Network interface	1 RJ45 10 /100 /1000Mbps self-adaptive UTP Ethernet interface	
Serial interface	1 RS485, 1 RS232 (DB9 Port)	
Alarm in	16	
Alarm out	4	
General		
Power supply	100~240 VAC, 6.3 A, 50 ~ 60 Hz	
Consumption	≤ 40 W (without HDD)	
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)	
Working humidity	10% ~ 90%	
Dimensions (W × D × H)	440 × 300 × 45 mm	
Chassis	1U, 19-inch	
Weight (without HDD)	≤ 5 kg	

DS-6508/6516HFI   Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual-stream
- Variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-level user access management
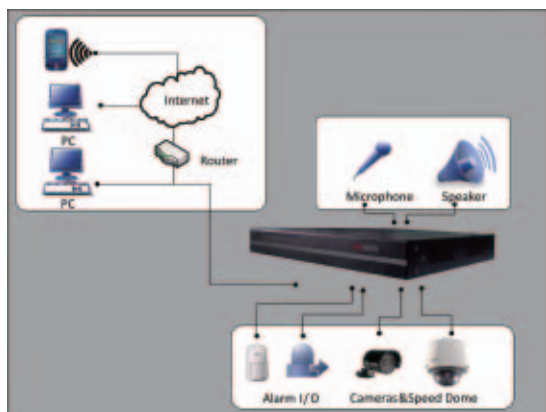
Specifications

	DS-6508HFI	DS-6516HFI
Video/Audio input		
Video Compression	H.264	
Video input	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC(1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis	
Audio input	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC(2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)	
Video/Audio output		
Video loop out	DB26 connector (Optional)	
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)	
Encoding resolution	4CIF / 2CIF / CIF / QCIF	
Frame rate	4CIF: 25 fps (P) / 30 fps(N)	
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3 Mbps)	
Dual-stream	Support	
Stream type	Video, Video & Audio	
External interface		
Network interface	1RJ45 10 /100 /1000Mbps self-adaptive UTP Ethernet interface	
Serial interface	1 RS485, 1 RS232 (DB9 Port)	
Alarm in	16	
Alarm out	4	
General		
Power supply	100 ~ 240 VAC, 6.3 A, 50~60 Hz	
Consumption	≤ 40 W (without HDD)	
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)	
Working humidity	10% ~ 90%	
Dimensions (W × D × H)	440 × 300 × 45 mm	
Chassis	1U, 19-inch	
Weight (without HDD)	≤ 5 kg	

Rear Panel of DS-6508HFI

1. VIideo in,audio in
2. Loop out (optional)
3. Line in
4. Audio out
5. RS-232 serial interface
6. Power On/Off
7. LAN (10/100/1000Mbps self-adaptive UTP Ethernet interface)
8. Reset
9. RS-485 serial interface
10. Alarm out
11. Alarm in
12. AC220V power input
13. GND

HIKVISION

DS-6508/6516HFI-SATA   Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual-stream
- Variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-level user access management
- 1 SATA interface for local storage

Rear Panel of DS-6508HFI-SATA

1. Video in, audio in
2. Loop out (optional)
3. Line in
4. Audio out
5. RS-232 serial interface
6. Power On/Off
7. LAN (10/100/1000Mbps self-adaptive UTP Ethernet interface)
8. Reset
9. RS-485 serial interface
10. Alarm out
11. Alarm in
12. AC220V power input
13. GND
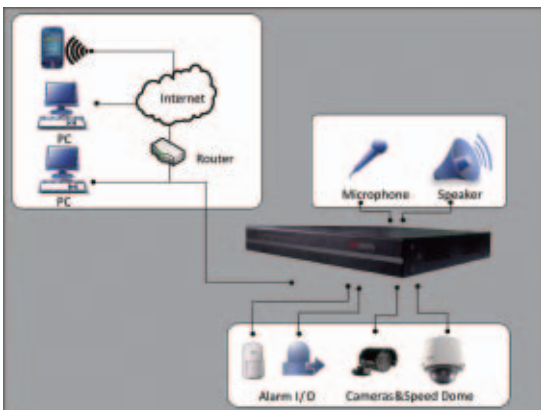
Specifications

	DS-6508HFI-SATA	DS-6516HFI-SATA
Video/Audio input		
Video Compression	H.264	
Video input	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis	
Audio input	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)	
Video/Audio output		
Video loop out	DB26 connector (Optional)	
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)	
Encoding resolution	4CIF / 2CIF / CIF / QCIF	
Frame rate	4CIF: 25 fps (P) / 30 fps (N)	
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 3 Mbps)	
Dual-stream	Support	
Stream type	Video, Video & Audio	
Hard disk		
SATA	1 SATA interface	
Capacity	Up to 2TB	
External interface		
Network interface	1 RJ45 10 /100 /1000Mbps self-adaptive UTP Ethernet interface	
Serial interface	1 RS485, 1 RS232(DB9 Port)	
Alarm in	16	
Alarm out	4	
General		
Power supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz	
Consumption	≤ 40 W (without HDD)	
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)	
Working humidity	10% ~ 90%	
Dimensions (W × D × H)	440 × 300 × 45 mm	
Chassis	1U, 19-inch	
Weight (without HDD)	≤ 5 kg	

DS-6101HFI-IP-A   Digital Video Server

DS-6101HFI-IP-A

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual-stream
- Support variable bit rate and frame rate
- Embedded Linux OS

Specifications

	DS-6101HFI-IP-A
Video/Audio input	
Video compression	H.264
Video input	1-ch
Video input interface	BNC (1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis, 16 Kbps
Audio input	1-ch
Audio input interface	BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)
Video/Audio output	
Encoding /Decoding resolution	4CIF / DCIF / 2CIF / CIF /QCIF
Frame rate	25 fps (P) /30 fps (N)
Dual-stream	Support
Video bit rate	32 Kbps ~ 2 Mbps, or user defined (Max. 8 Mbps)
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)
Stream type	Video, Video & Audio
External interface	
Network interface	1 RJ45 10M /100M self-adaptive Ethernet interface
RS-232 Port	1 RJ45 RS-232 Port
RJ-485 port	1 (T+, T-)
Alarm in	1
Alarm out	1
General	
Power supply	12 VDC
Consumption	≤ 12 W
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions (W × D × H)	120 x 70 x 45 mm
Weight (without HDD)	≤ 0.5 kg

IP Module
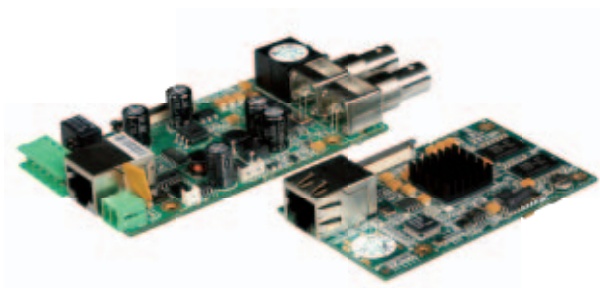
Hikvision IP module applies Embedded Linux OS and the latest TI DaVinci platform. The product can be embedded into analog camera and analog speed dome to build up network camera and network speed dome. With chassis, IP module can also be used as one channel network digital video server.

Specifications

	IP Module
Video/Audio input	
Video compression	H.264
Video input	1-ch
Video input interface	BNC (1.0Vp-p, 75 Ω)
Audio compression	OggVorbis, 16 Kbps
Audio input	1-ch
Audio input interface	BNC (2.0 Vp-p, 1 kΩ)
Voice talk input	1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)
Video/Audio output	
Encoding resolution	4CIF / DCIF / 2CIF / CIF / QCIF
Frame rate	25 fps (P) /30 fps (N)
Stream type	Video, Video & Audio
Dual-stream	Support
Video bit rate	32 Kbps ~ 2 Mbps, or user defined (Max. 8 Mbps)
Audio output	1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)
External interface	
Network interface	1 RJ45 10M /100M self-adaptive Ethernet interface
RS-232 Port	1 RJ45 RS-232 Port
RS-485 port	1 (T+, T-)
Alarm in	1
Alarm out	1
General	
Power supply	12 VDC
Consumption	≤ 12 W
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions	Compression board: 48 x 80 mm Chassis board: 53 x 94 mm
Weight(without HDD)	≤ 0.5 kg

DS-6101DI   Digital Video Server

Key Features

- H.264 /MPEG4 video compression
- Third-party network cameras supported
- Up to 4CIF resolution decoding
- TCP, UDP, MCAST and RTP transmission protocols

Rear Panel of DS-6101DI

1. PWR, power LED indicator
2. LINK, network connection status LED indicator
3. RX/TX, data transmitting/receiving status LED indicator
4. RESET, reset to the default parameters
5. VIDEO OUT, BNC video output

1. MIC IN, voice talk input
2. Audio out
3. RS-232 serial interface
4. RS-485 serial interface
5. Alarm in/ alarm out(4 inputs/2 outputs)
6. LAN, 10/100/1000Mbps self-adaptive UTP Ethernet interface
7. 12VDC power input
8. GND, grounding

Specifications

	DS-6101DI
IP video input	H.264 / MPEG4
Decoding resolution	4CIF / DCIF / 2CIF / CIF / QCIF
Video output	1-ch CVBS output, resolution: 704×576 (PAL); 704× 480 (NTSC)
Frame rate	25 fps (P) /30 fps (N)
Stream type	Video, Video & Audio
Video bit rate	2M-12M adjustable (bps)
Audio output	1-ch, RCA (2.0~2.4 Vp-p, 600 Ω)
Voice talk input	1-ch, 3.5 mm audio interface (2.0~2.4 Vp-p, 1 kΩ)
Communication Interface	1 RJ45 10M /100M /1000M self-adaptive Ethernet interface 1 RJ45 RS-232 port, 1 RJ45 RS-485 port
Alarm in	4
Alarm out	2
Power Supply	12 VDC
Consumption	12 W
Working Temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working Humidity	10%~90%
Dimensions (W × D × H)	198 × 123 × 39 mm
Weight	1.5 kg

DS-6401HDI   High Definition Decoder Server

Key Features

- High performance DSP hardware decompression
- Decoding capability: Up to 1-ch video stream at HD1080P (1920x1080) resolution, 2-ch video streams at HD720P (1280x720) resolution or 4-ch video streams at 4CIF resolution
- HDMI, DVI, VGA and BNC video output
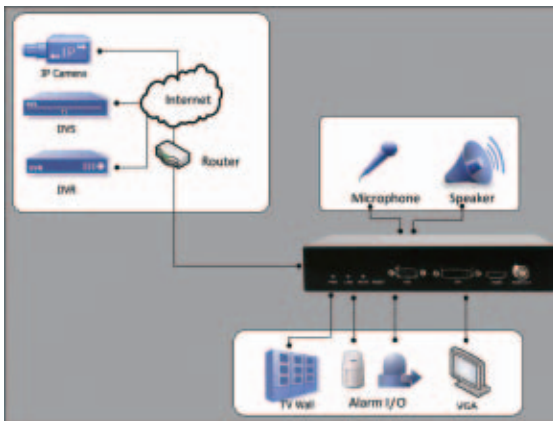
Specifications

	DS-6401HDI
Audio/Video Output	
CVBS output	1-ch BNC output, resolution: PAL: 704 × 576, NTSC: 704 × 480
VGA output	1-ch VGA output, resolution: 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60 Hz
HDMI output	1-ch HDMI output, resolution: 1080P (1920 × 1080) /60 Hz, 1080I (1920 × 1080) /60 Hz, 1080P (1920 × 1080) /50 Hz, 1080I (1920 × 1080) /50 Hz, 1600 × 1200 /60 Hz, 1280 × 1024 /60 Hz, 1280 ×720 /60 Hz, 1024 × 768 /60 Hz
DVI output	1-ch DVI output, resolution: 1080P (1920 × 1080) /60 Hz, 1080I (1920 × 1080) /60 Hz, 1080P (1920 × 1080) /50 Hz, 1080I (1920 × 1080) /50Hz, 1600 × 1200 /60 Hz, 1280 × 1024 /60 Hz, 1280 × 720 /60 Hz, 1024 × 768 /60 Hz
Audio output	2-ch, RCA (2.0 ~ 2.4 Vp-p, 600 Ω)
Audio/Video Decoding	
IP video input	H.264 / MPEG4
Video decoding resolution	1080P (1920 × 1080), 720P (1280 × 720), UXGA (1600 × 1200), SVGA (800 × 600), VGA (640 × 480)
Video decoding channels	1-ch at 1080P (1920 × 1080) / 2-ch at 720P (1280 × 720) / 4-ch at 4CIF resolution
Multi-division Display Mode	1/2/4
Frame rate	25 fps (P) /30 (N) fps
Audio compression	OggVorbis
External Interface	
Network interface	1 RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Serial interface	1 RS485 and 1 RS232 serial interface
Voice talk input	1-ch, RCA (2.0 ~ 2.4 Vp-p, 1 kΩ)
Alarm in	4
Alarm out	2
General	
Power Supply	12 VDC
Power Consumption	≤ 12 W
Working Temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working Humidity	10% ~ 90%
Dimensions (W × D × H)	198 × 123 × 39 mm
Weight (without HDD)	≤ 1.5 kg

DS-6001FI Encoder & Decoder Server

Key Features

- High performance DSP hardware compression
- Up to 4CIF decoding
- Up to 4CIF encoding

Specifications

	DS-6001FI
Video/Audio input	
Video Standard	H.264
Audio Standard	OggVorbis
Video input	1-ch BNC (1.0 Vp-p, 75 Ω)
Voice talk input	1-ch RCA (2.0 Vp-p, 1 kΩ)
Video/Audio output	
Decoding resolution	4CIF / DCIF / 2CIF / CIF / QCIF
Video output	1-ch BNC (1.0 Vp-p, 75 Ω)
Frame rate	4CIF: 25 fps (P) / 30 fps (N)
Stream type	Video, Video & Audio
Video bit rate	32 Kbps ~ 2 Mbps, or user defined (Max. 8 Mbps)
Audio output	1 RCA output linear electrical level, 600 Ω
External interface	
Communication interface	1 RJ45 10M/100M self-adaptive Ethernet interface 1 RJ45 RS-232 port 1 RJ45 RS-485 port
Alarm in	2
Alarm out	2
Others	
Power supply	12V DC
Consumption	≤ 20W
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions (W × D × H)	199 x 122 x 42 mm
Weight(without HDD)	≤ 2kg
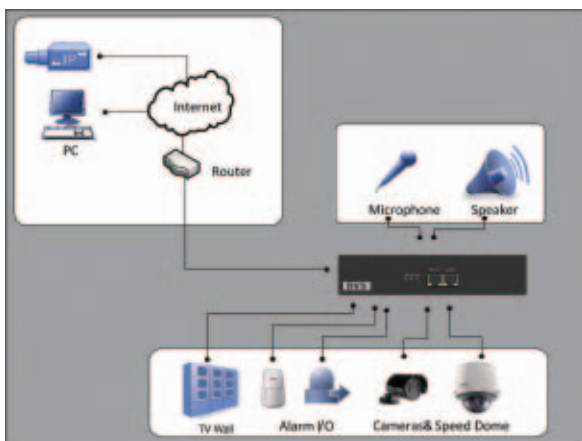
Rear Panel of DS-6101FI
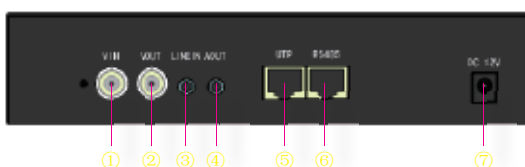
1. Video input
2. Video output
3. Line In
4. Audio output
5. UTP ethernet interface
6. RS-485 serial interface
7. Power supply

DS-6301/6304/6308DI   Decoder Server

Key Features

- H.264/MPEG4 video compression
- Up to 720P resolution decoding
- Voice talk function
- SADP(IP finder), DHCP, NTP and RTP network protocols
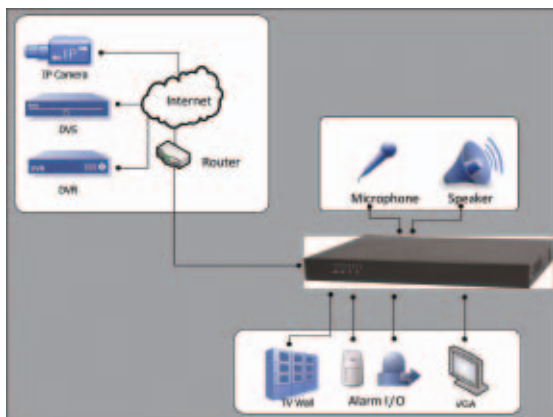
Specifications

	DS-6301DI	DS-6304DI	DS-6308DI
Video/Audio input			
Voice talk input	1-ch, BNC (2.0 Vp-p, 1 kΩ)		
Video/Audio output			
VGA output	1-ch	2-ch	4-ch
	Resolution:1280×1024 /60 Hz, 1280×720 /60 Hz,1024×768 /60 Hz		
Video output	1-ch BNC (1.0 Vp-p, 75 Ω)	4-ch BNC (1.0 Vp-p, 75 Ω)	8-ch BNC (1.0 Vp-p, 75 Ω)
Decoding resolution	720P / 4CIF / DCIF / 2CIF / CIF / QCIF		
Frame rate	720P: 25 fps (P) / 30 fps (N)		
Audio output	1-ch, BNC (Linear, 600 Ω)	4-ch, BNC (Linear, 600 Ω)	8-ch, BNC (Linear, 600 Ω)
Stream type	Video, Video & Audio		
External interface			
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel); 1 RS-485 interface (for PTZ control)		
Alarm in	8		
Alarm out	8		
General			
Power supply	12 VDC		
Consumption	≤ 40 W		
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)		
Working humidity	10% ~ 90%		
Dimensions (W × D × H)	440 x 44.5 x 320 mm		
Weight(without HDD)	≤ 5 kg		

Rear Panel of DS-6308DI

1. Video/audio out	7. LAN
2. Line in	8. RS-485
3. Line out	9. Alam in
4. Audio-1 to audio-4	10. Alam out
5. Vga	11. Power switch
6. RS232	12. GND

DS-1002KI   RS-485 Keyboard

Key Features

- Incorporate all DVR front panel functions
- Control DVR and PTZ separately
- Support DVR and keyboard cascading
- 2D joystick

Specifications

	DS-1002KI
External Interface	
Communication interface	RS-485
Others	
Control mode	RS-485 half-duplex mode, baud rate: 1200 ~ 19200 bps
General	
LCD screen	122 x 32 mm
Joystick	2D
Max. cable length	1200m
Power supply	12 VDC
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions (W × D × H)	300 x 180 x 86 mm
Weight	3.2 kg

DS-1003KI   RS-485 Keyboard

Key Features

- Incorporate all DVR front panel functions
- Control DVR and PTZ separately
- Support DVR and keyboard cascading
- 3D joystick

Specifications

	DS-1003KI
External Interface	
Communication interface	RS-485
Others	
Control mode	RS-485 Half-duplex Mode, Baud Rate: 1200 ~ 19200 bps
General	
LCD screen	128 x 64 mm
Joystick	3D
Max. cable length	1200 m
Power supply	12 VDC
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions (W × D × H)	360 x 200 x 108 mm
Weight	3.3 kg

DS-1003KI   RS-485 Keyboard

DS-1100KI Network Keyboard

Key Features

- 7" TFT touch screen at 800×480 resolution
- Speed dome, video decoder & DVR control
- 1-ch HD video stream decoding at 1080p
- Support 15 users, and each can operate up to 256 devices
- USB 2.0 interface for video backup

Specifications

	DS-1100KI
Audio Input/Output	
Line in	1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)
Audio out	1-ch, 3.5 mm connector (Linear, 560 Ω)
External Interface	
Network interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet interface
RS-232 interface	1 RS-232 interface (for parameters configuration and maintenance)
RS-485 interface	1 RS-485 interface
USB interface	1, USB2.0 (for data storage and device upgrade)
General	
LCD	Resolution: 800 × 480
Power supply	12 VDC
Power consumption	≤ 15W
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions (W × D × H)	110 × 193 × 435 mm
Weight	2 kg

COMPRESSION CARD
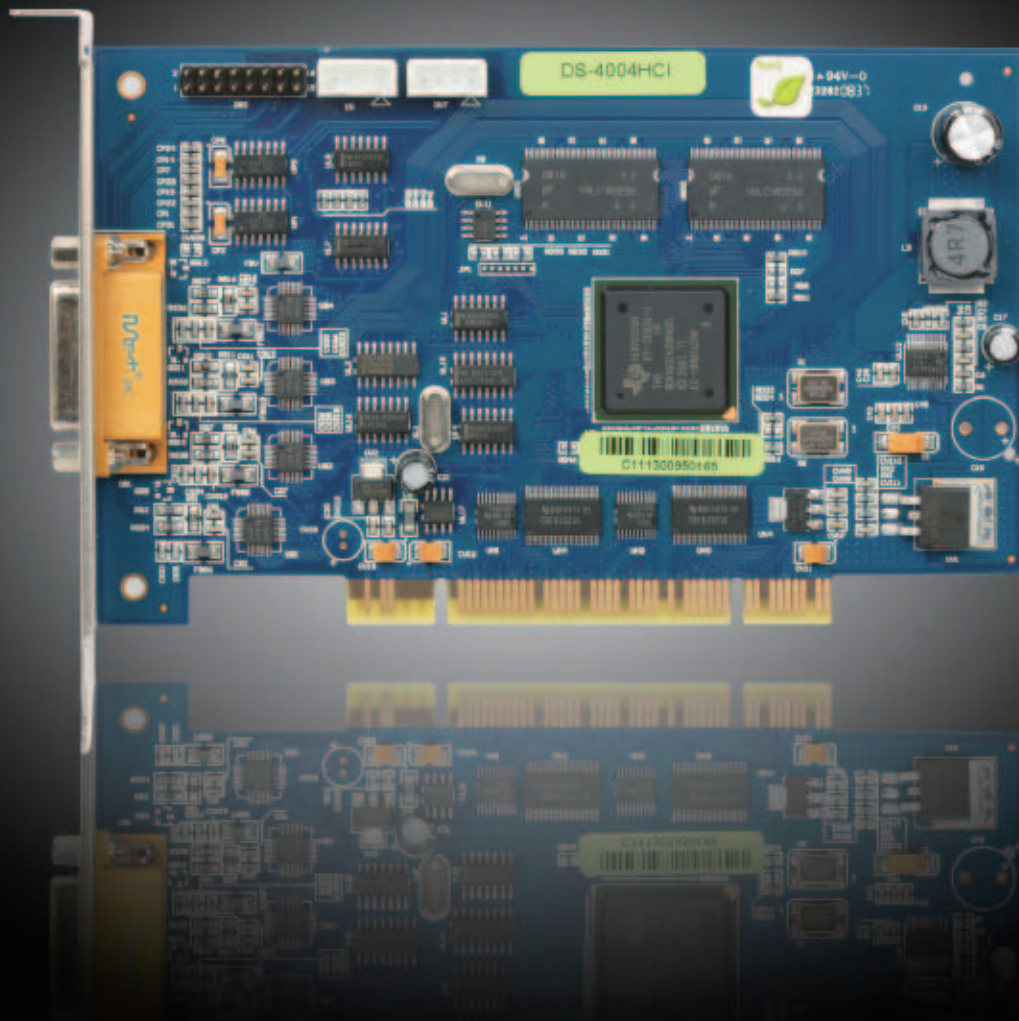
DS-4004/4008/4016HCI   Compression Card

Key Features

- H.264 (MPEG-4/Part 10) real-time video compression
- Up to 4CIF real-time recording
- PCI 2.2 standard
- Windows 2000/XP/2003/Vista and Linux operating system
- Provide full SDK and demo source code
- Motion detection

Specifications

	DS-4004HCI	DS-4008HCI	DS-4016HCI
Video/Audio input			
Video compression	H.264		
Video input	4-ch	8-ch	16-ch
Video input interface	BNC (1.0 Vp-p, 75 Ω)		
Audio compression	OggVorbis, 16 Kbps		
Audio input	4-ch	8-ch	16-ch
Audio input interface	BNC(2.0 Vp-p, 1 kΩ)		
Video/Audio output			
Preview resolution	4CIF real time		
Compression resolution	4-ch CIF / 2CIF real time Or 2-ch 4CIF / DCIF real time Or 4-ch DCIF / 4CIF not real time	8-ch CIF / 2CIF real time Or 4-ch 4CIF / DCIF real time Or 8-ch DCIF / 4CIF not real time	16-ch CIF / 2CIF real time Or 8-ch 4CIF / DCIF real time Or 16-ch DCIF / 4CIF not real time
Video bit rate	32 Kbps ~ 2 Mbps		
Stream type	Video, Video & Audio		
Dual stream	Support		
General			
Power consumption	< 3.5 W	< 7 W	< 22 W
Working temperature	-10 °C ~ +50 °C(14 °F ~ 122 °F)		
Working humidity	10% ~ 90%		
Dimensions	155 x 95 mm(6.10" x 3.74")	201 x 109 mm(7.91" x 4.29")	250 x 106 mm(9.84" x 4.17")
System requirements			
OS	Windows 2000/XP/Server 2003/7/Vista, Fedora 8		
CPU	Intel series		
Motherboard	Based on Intel 845/865/915/925/945/965/G31/G33/P31/P35/P43/P45 Series. Please refer to the compatible list on the Hikvision website		
Memory	256MB or above		
Display Adapter	NVIDIA GeForce Mx400/440/4000 or above series FX 5200/5600 GeForce 6600 or above series ATI Radeon 7000/7500/8500/9000/9200/9550/9600 or above series ATI X300/X550/X700/X1300/X1600 or above series Intel 845G/865G/915G integrated Graphics Controller Please refer to the compatible list on Hikvision website		

DS-4008/4016HSI   Compression Card
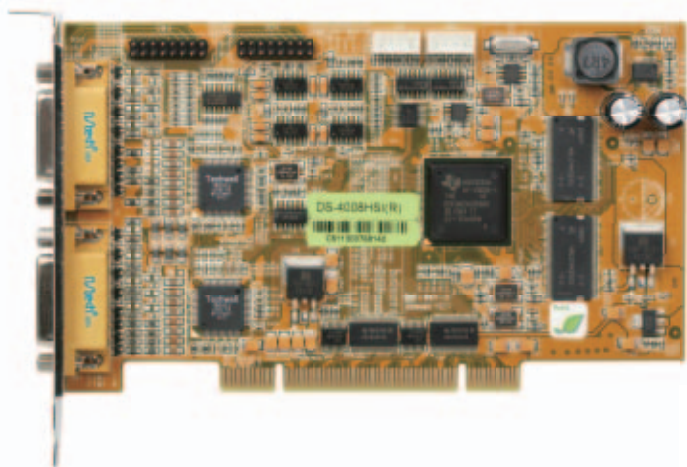
Key Features

- H.264 (MPEG-4/Part 10) real-time video compression
- Up to real-time 4CIF display resolution
- PCI 2.2 standard
- Windows 2000/XP/2003/Vista and Linux operating system
- Motion detection
- OSD, LOGO, and MASK overlay

Specifications

	DS-4008HSI	DS-4016HSI
Video/Audio input		
Video compression	H.264	
Video input	8-ch	16-ch
Video input interface	BNC (1.0 Vp-p, 75 Ω)	
Audio compression	OggVorbis, 16Kbps	
Audio input	8-ch	16-ch
Audio input interface	BNC(2.0 Vp-p, 1 kΩ)	
Video/Audio output		
Preview resolution	4CIF real time	
Compression resolution	8-ch CIF real time Or 8-ch 2CIF / DCIF / 4CIF not real time	16-ch CIF real time Or 16-ch 2CIF / DCIF / 4CIF not real time
Video bit rate	32 Kbps ~ 2 Mbps	
Stream type	Video, Video & Audio	
General		
Power consumption	< 4.5 W	< 9 W
Working temperature	-10 °C ~ +50 °C (14 °F ~ 122 °F)	
Working humidity	10% ~ 90%	
Dimensions	178 x 99 mm (7.01" x 3.90")	198 x 100 mm(7.80" x 3.94")
System requirements		
OS	Windows 2000/XP/Server 2003/7/Vista, Fedora 8	
CPU	Intel series	
Motherboard	Based on Intel 845/865/915/925/945/965/G31/G33/P31/P35/P43/P45 Series. Please refer to the compatible list on the Hikvision website	
Memory	256MB or above	
Display adapter	NVIDIA GeForce Mx400/440/4000 or above series FX 5200/5600 GeForce 6600 or above series ATI Radeon 7000/7500/8500/9000/9200/9550/9600 or above series ATI X300/X550/X700/X1300/X1600 or above series Intel 845G/865G/915G integrated Graphics Controller Please refer to the compatible list on Hikvision website	

DS-4216HCI   Compression Card
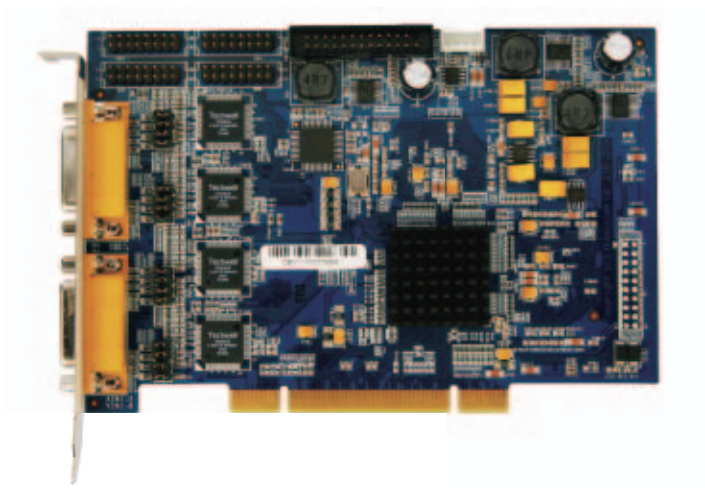
Key Features

- Adopts high-efficiency video processing chips
- Standard H.264 video codec
- CIF real-time audio/video capturing and encoding
- Multiple cards plugged in PC (support up to 40ch cameras input for 1 PC)
- Built-in motion detect
- OSD, LOGO and mask area settings

Specifications

	DS-4216HCI
Video/Audio input	
Video compression	H.264
Video input	16-ch
Video input interface	BNC (1.0 Vp-p, 75 Ω)
Audio compression	OggVorbis
Audio input	16ch, mono
Audio input interface	BNC (2 Vp-p, 1 kΩ, volume adjust range: 83DB)
Video/Audio output	
Preview resolution	4CIF real time
Compression resolution	CIF / QCIF real time; 4CIF / 2CIF not real time
Video bit rate	32 k ~ 2 M (CIF), 32 k ~ 4M (4CIF) (Unit:bps)
Sampling rate	8 KHz
Audio recording bit rate	64 kbps
Dual stream	Support
General	
PCI standard	PCI 2.2
Power consumption	< 8.5 W
Working temperature	-10 °C ~ +50 °C (14 °F~ 122 °F)
Working humidity	10%~90%
System requirements	
Dimensions	162 x 101 mm (6.38" x 3.98")
OS	Windows 2000/XP/2003/Vista/7/Linux
CPU	Intel C4/P4/Core2/Core4 Series
Motherboard	Based on Intel 845/865/915/925/945/965/G31/G33/P31/P35/P43/P45 Series. Please refer to the compatible list on the Hikvision website
Memory	512MB or above
Display Adapter	ATI Radeon X1650/X1600/X1550/X1300/X800/X600/X550/HD2400/HD2600 ATI Radeon 7000/7200/7500/8500 /9000/9200 /9500/9600 NVIDIA GeForce 8600GT/8500GT/8400GS/7600/7300LE/6600LE/6200LE Please refer to the compatible list on the Hikvision website

DS-4208/4216HFVI   Compression Card
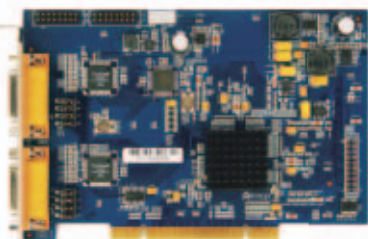
DS-4208HFVI
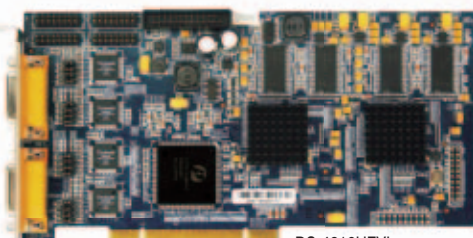
DS-4216HFVI

Key Features

- Extra-low power consumption and high stability
- Standard H.264 video codec
- 4CIF real-time audio/video capturing and encoding
- Multiple cards plugged in PC (up to 40ch cameras input for 1 PC)
- Built-in motion detect
- OSD, LOGO and mask area settings

Specifications

	DS-4208HFVI	DS-4216HFVI
Video/Audio input		
Video compression	H.264	
Video input	8-ch	16-ch
Video input interface	BNC (1.0 Vp-p, 75 Ω)	
Audio compression	OggVorbis	
Audio input	8ch, mono	16ch, mono
Audio input interface	BNC (2 Vp-p, 1 kΩ, volume adjust range: 83DB)	
Video/Audio output		
Preview resolution	4CIF real time	
Compression resolution	4CIF / 2CIF / CIF / QCIF real time	
Video output	1 channel BNC video output	
Video bit rate	32 k ~ 2 M (CIF), 32 k ~ 4M (4CIF) (Unit: bps)	
Sampling Rate	8 KHz	
Audio Recording Bit Rate	64 kbps	
Dual Stream	Support	
General		
PCI standard	PCI 2.2	
Power consumption	< 7 W	< 14W
Working temperature	-10 °C ~ +50 °C(14 °F ~ 122 °F)	
Working humidity	10%~90%	
Dimensions	162 x 101 mm (6.38" x 3.98")	213 x 101 mm (8.39" x 3.98")
System requirements		
OS	Windows 2000/XP/2003/Vista/7/Linux	
CPU	Intel C4/P4/Core2/Core4 Series	
Motherboard	Based on Intel 845/865/915/925/945/965/G31/G33/P31/P35/P43/P45 Series. Please refer to the compatible list on the Hikvision website	
Memory	512MB or above	
Display Adapter	ATI Radeon X1650/X1600/X1550/X1300/X800/X600/X550/HD2400/HD2600 ATI Radeon 7000/7200/7500/8500 /9000/9200 /9500/9600 NVIDIA GeForce 8600GT/8500GT/8400GS/7600/7300LE/6600LE/6200LE Please refer to the compatible list on the Hikvision website	

DS-4002/4004MDI+   Encode Card
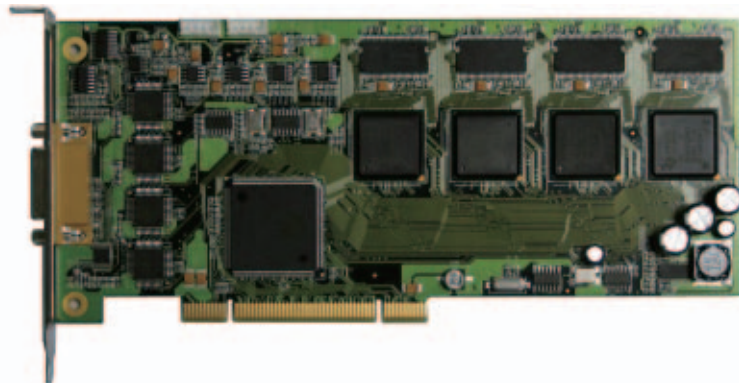
Key Features

- High performance DSP hardware decompression
- Up to 4-ch video stream at 4CIF resolution, 8-ch video stream at 2CIF resolution or 16-ch video stream at CIF resolution
- Up to 4-ch video & audio output
- Up to 4x4 multiplex windows display
- Picture-In-Picture display
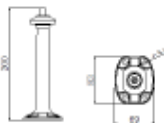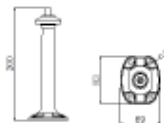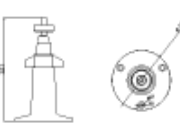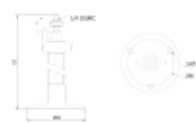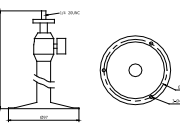
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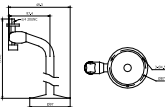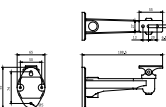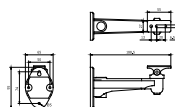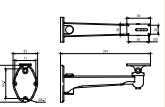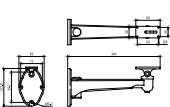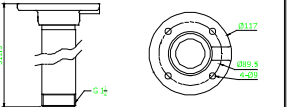
	DS-4002MDI+	DS-4004MDI+
Video/Audio output		
Support Video compression Standard	H.264	
Video Output	2-ch	4-ch
Video Output Interface	BNC (1.0 Vp-p, 75 Ω)	
Video Standard	PAL/NTSC	
Resolution	2-ch 4CIF Or 4-ch DCIF / 2CIF Or 8-ch CIF / QCIF	4-ch 4CIF or 8-ch DCIF / 2CIF or 16-ch CIF / QCIF
Frame rate	PAL: 25 fps; NTSC: 30 fps	
Support audio compression standard	OggVorbis	
Audio output	2-ch PCM, mono	4-ch, mono
Audio output interface	BNC (Linear Level, 600 Ω)	
General		
PCI standard	PCI 2.2	
Power consumption	< 10 w	< 16 w
Dimensions	168 x 101 mm (6.61" x 3.98")	220 x 89 mm (8.66" x 3.50")
System requirements		
OS	Windows 2000/XP/2003/Vista/7/Linux	
CPU	Intel C4/P4/Core2/Core4 Series	
Motherboard	Based on Intel 845/865/915/925/945/965/G31/G33/P31/P35/P43/P45 Series. Please refer to the compatible list on the Hikvision website	
Memory	512MB or above	
Display adapter	ATI Radeon X1650/X1600/X1550/X1300/X800/X600/X550/HD2400/HD2600 ATI Radeon 7000/7200/7500/8500 /9000/9200 /9500/9600 NVIDIA GeForce 8600GT/8500GT/8400GS/7600/7300LE/6600LE/6200LE Please refer to the compatible list on the Hikvision website	

Model				
	DS-1227ZJ (White)	DS-1217ZJ (White)	DS-1214ZJ (White)	DS-1215ZJ (White)
	Indoor in-ceiling mount	Vandal-proof wall mount	Pole mount adapter	Pole mount adapter
Feature	Suitable for DS-2CD753F-E, DS-2CD754F-E, DS-2CD763P(N)F-E, DS-2CD793P(N)F-E, DS-2CD793P(N)FWD-E, DS-2CD733F-E vandal-proof dome camera	Suitable for DS-2CD752MF-(I)FB(H), DS-2CD762MF-(I)FB(H) dome camera	Suitable for box camera and housing (Universal adjustment)	Suitable for DS-1212ZJ, DS-1213ZJ, DS-1225ZJ and DS-1226ZJ, DS-1217ZJ, DS-1229ZJ bracket Diameter range: Φ91 - 114 mm (Φ3.59" - 4.49")
Construction	Sheet Metal and ABS	Aluminum alloy	Aluminum alloy	Aluminum alloy
Weight	540 g (1.19 lbs)	1395 g (3.08 lbs)	1895 g (4.18 lbs)	1205 g (2.66 lbs)
Dimension	Φ210.0 × 90 mm (Φ8.27" × 3.54")	95 × 180 × 310.2 mm (3.86" × 7.09" × 12.21")	117 × 194 × 226 mm (4.61" × 7.64" × 8.90")	117 × 194 × 143 mm (4.61" × 7.64" × 5.63")
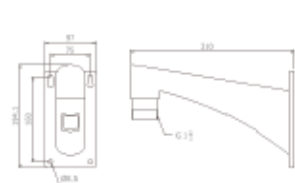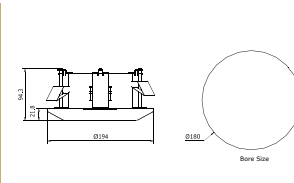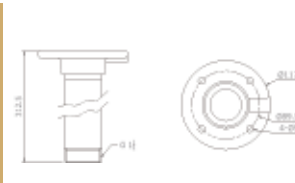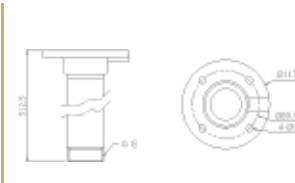
Model					
	DS-1239ZJ (White)	DS-1240ZJ (White)	DS-1233ZJ (White)	DS-1234ZJ (White)	DS-1235ZJ (White)
	Vandal-proof wall mount	Tilted wall-mount	Pendant mount for dome camera	Electric-box mount	----
Feature	Suitable for DS-2CD753F-E, DS-2CD754F-E, DS-2CD763P(N)F-E, DS-2CD793P(N)F-E, DS-2CD793P(N)FWD-E, DS-2CD733F-E vandal-proof dome camera	Enlarge the visual angle with 10°, Suitable for DS-2CC5102P(N)-VP(IR)(-H), DS-5173P(N)-VP(IR)(-H), DS-5182P(N)-VP(IR)(-H), DS-5183P(N)-VP(IR)(-H), DS-5185P(N)-VP(IR)(-H), DS-5187P(N)-VP(IR)(-H), DS-5193P(N)-VP(IR)(-H), DS-5195P(N)-VP(IR)(-H) and DS-5197P(N)-VP(IR)(-H)	Suitable for DS-2CD752MF-(I)FB(H), DS-2CD762MF-(I)FB(H) dome camera	Suitable for DS-2CD7133-E and DS-2CD7153-E	----
Construction	Aluminum alloy	Aluminum alloy	Aluminum alloy	ABS plastic	Aluminum alloy
Weight	1060 g (2.34 lbs)	390 g (0.86 lbs)	915 g (2.02 lbs)	25 g (0.06 lbs)	180g (0.26lbs)
Dimension	100 × 182 × 291 mm (3.94" × 7.17" × 11.5")	Φ145 × 63 mm (Φ5.71" × 0.86")	Φ120 × 59.8 mm (Φ4.72" × 2.35")	Φ120 × 9 mm (Φ4.72" × 0.35")	Φ124×57 (Φ4.88"×2.24")

Model							
	DS-1236ZJ (White)	DS-1242ZJ (White)	DS-1243ZJ (White)	DS-1244ZJ (White)	DS-1651ZJ-S (Silver)	DS-1652ZJ-S (Silver)	DS-1611ZJ-S (Silver)
	Pendant mount for mini-dome camera	Unify Pendant mount for dome camera	Unify Pendant mount for dome camera	Edge-shelter mount	Indoor Pendant mount (30 cm)	Indoor Pendant mount (50 cm)	Indoor wall mount
Feature	Suitable for DS-2CD7133-E and DS-2CD7153-E	Unitary looking	Unitary looking,with electric box	Suitable for DS-2CC5102P(N), DS-2CC5112P(N), DS-2CC5172P(N), DS-2CC5182P(N), DS-2CC5192P(N).	Suitable for indoor 30 cm pendant mounting	Suitable for indoor 50 cm pendant mounting	Suitable for indoor mounting
Construction	Aluminum alloy, ABS plastic	Aluminum alloy	Aluminum alloy	ABS plastic	Aluminum alloy	Aluminum alloy	Aluminum alloy
Weight	205 g (0.45 lbs)	1570 g (3.46 lbs)	1880 g (4.14 lbs)		1015 g (2.24 lbs)	1320 g (2.91 lbs)	1110 g (2.45 lbs)
Dimension	Φ124 × 64 mm (Φ4.88" × 2.52")	739 × 187 × 122 mm (29.09" × 7.36" × 4.80")	364 × 186 × 182 mm (14.33" × 7.32" × 7.17")	Φ120 × 12 mm (Φ4.72" × 0.47")	Φ117×312.5 (Φ4.61" × 12.31")	Φ117×512.5 (Φ4.61" × 20.19")	97 × 194.1 × 310 (3.82" × 7.64" ×12.20")
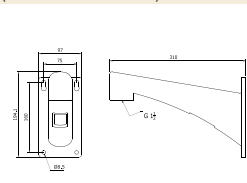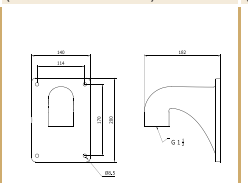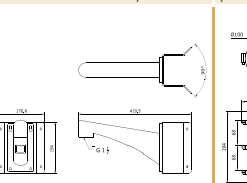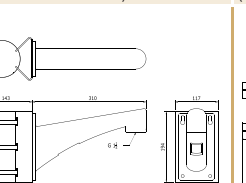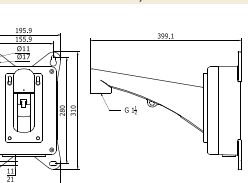
Camera Power

Model				
	BSW0127-1210002(3C)	BSW0127-1210002	BSW0127-1210002	BSW0127-1210002
	DC 12 V / 1.0 A	DC 12 V / 1.0 A	DC 12 V / 1.0 A	DC 12 V /1.0A
Feature	China 2-Pin	British 3-Pin	North American 2-Pin	European 2-Pin
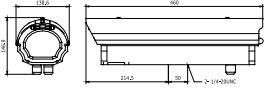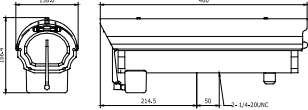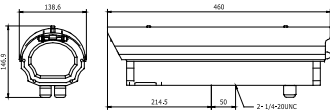
4" Speed Dome Bracket
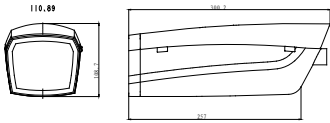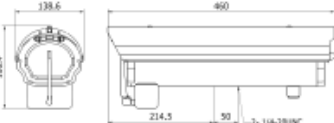
Model				
	DS-1616ZJ	DS-1671ZJ	DS-1653ZJ	DS-1654ZJ
	Indoor long-arm wall mount	Indoor in-ceiling mount	Indoor pendant mount (30 cm)	Indoor pendant mount (50 cm)
Feature	Suitable for indoor wall mounting	Suitable for in-ceiling mounting	Suitable for indoor 30cm pendant mounting	Suitable for indoor 50cm pendant mounting
Construction	Aluminum alloy	Sheet metal and ABS	Aluminum alloy	Aluminum alloy
Weight	1,110 g (2.45 lbs)	500 g (1.1 lbs)	860 g (1.9 lbs)	1,180 g (2.6 lbs)
Dimension	97 × 194.1 × 310 mm (3.82" × 7.64" × 12.20")	Φ194 × 94.3 mm (Φ7.64" × 3.71")	Φ117×312.5 (Φ4.61" × 12.31")	Φ117×512.5 (Φ4.61" × 20.19")

5" Speed Dome Bracket
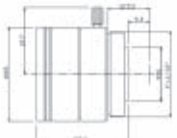
Model					
	DS-1614ZJ	DS-1615ZJ	DS-1633ZJ	DS-1622ZJ	DS-1634ZJ
	Long-arm wall mount	Indoor short-arm wall mount	Suitable for corner mounting	Pole mount	Power box mount
Feature	Suitable for indoor/outdoor wall mounting	Suitable for indoor wall mounting	Aluminum alloy	Suitable for pole mounting Diameter range: Φ91 - 114 mm (Φ3.58" - 4.49")	Suitable for indoor/outdoor wall mounting
Construction	Aluminum alloy	Aluminum alloy	Corner mount	Aluminum alloy	Aluminum alloy
Weight	1,070 g (2.36 lbs)	1,015 g (2.24 lbs)	2,675 g (5.9 lbs)	2,000 g (4.41 lbs)	3770 g (8.31 lbs)
Dimension	97 × 194.1 × 310 mm (3.82" × 7.64" × 12.20")	140 × 200 × 182 mm (5.51" × 7.87" × 7.17")	176.8 × 194 × 419.5 mm (6.96" × 7.64" × 16.52")	117 × 194 × 310 mm (4.61"" × 7.64"" × 12.20")	209.2 × 310 × 399.1 mm (8.24" × 12.20" × 15.71")
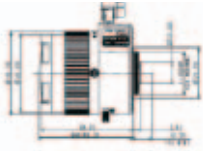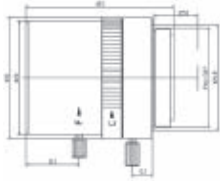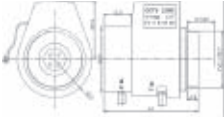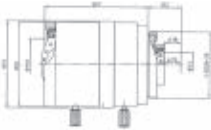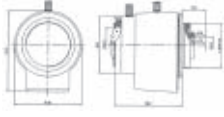
Camera Housing

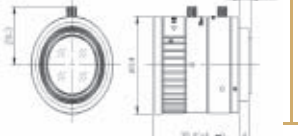| Model			
	DS-1311HZ	DS-1312HZ	DS-1313HZ
	Outdoor camera housing	Outdoor camera housing	Outdoor camera housing
Feature	Easy installation	Built-in heater, wiper and fan	Built-in heater and fan
Working Temperature	-10 °C - 60 °C (14 °F - 140 °F)	-40 °C - 70 °C (-40 °F - 158 °F) (the heater and fan activates when there is temperature variance below ±5 °C.)	-40 °C - 70 °C (-40 °F - 158 °F) (the heater and fan activates when there is temperature variance below ±5 °C.)
Power Supply	--	24 V AC ± 10%	24 V AC ± 10%
Power Consumption	--	Heater 50 W, Fan 3 W, Wiper 5 W	Heater 50 W, Fan 3 W
Weather Proof	IP66	IP66	IP66
Construction	Aluminum alloy	Aluminum alloy	Aluminum alloy
Weight	2300 g (5.07 lbs)	2615 g (5.77 lbs)	2415 g (5.32 lbs)
Dimensions	138.6 × 146.9 × 460 mm (5.46" × 5.78" × 18.11")	138.6 × 166.4 × 460 mm (5.46" × 6.55" × 18.11")	138.6 × 146.9 × 460 mm (5.46" × 5.78" × 18.11")

Model		
	DS-1320HZ	DS-1325HZ
	Indoor camera housing	Built-in heater, wiper and fan
Feature	Special button for ON/OFF	Suitable for thermal network camera
Working Temperature	-10 °C - 60 °C (14 °F - 140 °F)	-10 °C - 60 °C (14 °F - 140 °F)(the heater and fan activates when there is temperature variance below ±5 °C.)
Power Supply	--	AC24V
Power Consumption	--	Heater 50W, Fan 3W, Wiper 5W
Weather Proof	--	IP66
Construction	ABC plastic	window: germanium housing: Aluminum alloy
Weight	600 g (1.32 lbs)	2725g(6.01lbs)
Dimensions	300 × 110 × 110 mm (11.81" × 4.33" × 4.33")	138.6×166.4×460 (5.46''×6.55'' ×18.11")

Lens

Model	TF0216	TF0412-IR	TF0612-IR	TF0812-IR
	Fixed Iris Fixed Focus Lens	Fixed Iris Fixed Focus IR Lens	Fixed Iris Fixed Focus IR Lens	Fixed Iris Fixed Focus IR Lens
Focal Length	2.1mm	4mm	6mm	8mm
Aperture Range	F1.6	F1.2	F1.2	F1.2
Lens Mount	CS	CS	CS	CS
Format	1/3"	1/3"	1/3"	1/3"
Horizontal Angle of View	1/3" 122.4° 1/4" 85°	1/3" 59° 1/4" 44°	1/3" 43.6° 1/4" 32.7°	1/3" 33.4° 1/4" 25.05°
Min.Working Distance	0.1 m	0.2 m	0.2 m	0.2 m
Weight	55 g	36 g	39 g	39 g
Application	Within 5 meters	Within 10 meters	Within 15 meters	Within 20 meters
Dimension	Φ30 × 20.7 mm (Φ1.18" × 0.81")	Φ28 × 27.3 mm (Φ1.10" × 1.07")	Φ28 × 30 mm (Φ1.10" × 1.18")	Φ28 × 30 mm (Φ1.10" × 1.18")

Model	TV0309D-IR	TV3508M	TV2713D-IR	TV0550D-IR	TV0660M-IR
	Auto Iris Vari-focal IR Lens	Manual Iris Vari-focal Lens	Auto Iris Vari-focal IR Lens	Auto Iris Vari-focal IR Lens	Manual Iris Vari-focal IR Lens
Focal Length	3 ~ 9 mm	3.5 ~ 8 mm	2.7 ~ 13 mm	5 ~ 50 mm	6 ~ 60 mm
Aperture Range	F1.2-C	F1.4-C	F1.3-C	F1.4-C	F1.6-C
Lens Mount	CS	CS	CS	CS	CS
Format	1/3"	1/3"	1/3"	1/3"	1/3"
Horizontal Angle of View	1/3" 111° ~ 31.6° 1/4" 69.6° ~ 23.4°	1/3" 78° ~ 34° 1/4" 58° ~ 26°	1/3" 98° ~ 22° 1/4" 73.1° ~ 17.1°	1/3" 49° ~ 5.4° 1/4" 36.8° ~ 4°	1/3" 42° ~ 4.5° 1/4" 32° ~ 3.4°
Min.Working Distance	0.2 m	0.1 m	0.3 m	0.5 m	0.5 m
Iris Control	DC	Manual	DC	DC	Manual
Weight	45 g	105 g	78 g	118 g	108 g
Application	Within 20 meters	Within 20 meters	Within 30 meters	Within 100 meters	Within 100 meters
Dimension	Φ33 × 45.8 mm (Φ1.30" × 1.80")	Φ33 × 44 mm (Φ1.30" × 1.73")	Φ38.8 × 59 mm (Φ1.53" × 2.32")	Φ35.4 × 61 mm (Φ1.39" × 2.40")	Φ37 × 63.6 mm (Φ1.46" × 2.50")

Model	TV2712D-MPIR	TV0515M-MPIR		TV0515D-MPIR		HV4510M-MPIR		HV4510D-MPIR	
	Auto Iris Vari-focal Megapixel IR Lens	Manual Iris Vari-focal Megapixel IR Lens		Auto Iris Vari-focal Megapixel IR Lens		Manual Iris Vari-focal Megapixel IR Lens		Auto Iris Vari-focal Megapixel IR Lens	
Focal Length	2.7-12mm	5 ~ 15 mm		5 ~ 15 mm		4.5 ~ 10 mm		4.5 ~ 10 mm	
Aperture Range	F1.2-C	F1.4-C		F1.4-C		F1.6-C		F1.6-C	
Lens Mount	CS	CS		CS		CS		CS	
Format	1/2.7"	1/3"		1/3"		1/2"		1/2"	
Horizontal Angle of View	1/3" 97.2°~24.3°	1/3"	52° ~ 18°	1/3"	41° ~ 19°	1/2"	80.5° ~ 37°	1/2"	80.5° ~ 37°
	1/4" 72.1°~18.4°	1/4"	39° ~ 14°	1/4"	36° ~ 15°	1/3"	60° ~ 29°	1/3"	60° ~ 29°
Min.Working Distance	0.1m	0.2 m		0.2 m		0.1 m		0.1 m	
Iris Control	DC	Manual		DC		Manual		DC	
Weight	85 g	55 g		58 g		78.6 g		76.7 g	
Application	Within 30 meters	Within 50 meters		Within 50 meters		Within 30 meters		Within 30 meters	
Dimension	Φ48.5×61.3 (Φ1.91"×2.41")	Φ31 × 42.1 mm (Φ1.22" × 1.66")		Φ29 × 38.2 mm (Φ1.14" × 1.50")		Φ33 × 39.7 mm (Φ1.30" × 1.56")		Φ38 × 38.2 mm (Φ1.50" × 1.50")	

Model	MF1214M-MP		MF1614M-MP		MF2514M-MP		MF5018M-MP	
	Manual Iris Fixed Focus Megapixel Lens		Manual Iris Fixed Focus I Megapixel Lens		Manual Iris Fixed Focus Megapixel Lens		Manual Iris Fixed Focus Megapixel Lens	
Focal Length	12 mm		16 mm		25 mm		50 mm	
Aperture Range	F1.4-C		F1.4-C		F1.4-C		F1.8-C	
Lens Mount	C		C		C		C	
Format	2/3"		2/3"		2/3"		2/3"	
Horizontal Angle of View	2/3"	39.9°	2/3"	30.4°	2/3"	19.9°	2/3"	9.2°
	1/2"	29.89°	1/2"	22.62°	1/2"	14.59°	1/2"	7.32°
Min.Working Distance	0.15 m		0.3 m		0.25 m		0.5 m	
Iris Control	Manual		Manual		Manual		Manual	
Weight	76 g		81 g		83 g		98 g	
Application	Within 40 meters		Within 50 meters		Within 80 meters		Within 200 meters	
Dimension	Φ34 × 32 mm (Φ1.34" × 1.26")		Φ34 × 31.8 mm (Φ1.34" × 1.25")		Φ34 × 35.4 mm (Φ1.34" × 1.39")		Φ34 × 39.7 mm (Φ1.34" × 1.56")	

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