

DS-2DE2204IW-DE3/W 2 MP 4 × Network IR Wi-Fi PTZ Camera



Hikvision DS-2DE2204IW-DE3/W 2 MP 4 × Network IR Wi-Fi PTZ Network Camera adopts 1/2.8" progressive scan CMOS chip. With the 4 × optical zoom lens, the camera offers more details in the indoor environments.

This series of cameras feature a wide range of functions, including intrusion detection, line crossing detection, audio exception detection, motion detection, and video tampering detection, benefitting users with great improvement on security efficiency.

- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080@30fps resolution
- Min. illumination
Color: 0.05 Lux @(F2.0, AGC ON)
B/W: 0.005 Lux @(F2.0, AGC ON)
0 Lux with IR
- 4 × optical zoom, 16 × digital zoom
- Digital WDR, 3D DNR, HLC, BLC, Smart IR
- Up to 20 m IR distance
- 12 VDC & PoE (802.3af, class3)
- Support Wi-Fi
- Support H.265+/H.265
- Built-in microphone with 1 audio input and 1 audio output



Specifications

Camera Module	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.05 Lux @(F2.0, AGC ON) B/W:0.005 Lux @(F2.0, AGC ON) 0 Lux with IR
White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Gain	Auto/Manual
Shutter Time	1 to 1/30,000 s
Day & Night	IR Cut Filter
Digital Zoom	4 ×
Privacy Mask	8 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
Digital WDR	Yes
Lens	
Focal Length	2.8 mm to 12 mm, 4 × optical zoom
Zoom Speed	Approx. 2 s (optical lens, wide-tele)
Field of View	Horizontal field of view: 100° to 25° (Wide-Tele) Vertical field of view: 56.3° to 14.1° (Wide-Tele) Diagonal field of view: 114.7° to 28.7° (Wide-Tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.8 to F2.5
IR	
IR Distance	Up to 20 m
IR Intensity	Automatically adjusted, depending on the zoom ratio
PTZ	
Movement Range (Pan)	0° to 350°
Pan Speed	Configurable, from 0.1°/s to 60°/s. Preset speed: 60°/s
Movement Range (Tilt)	0° to 90°
Tilt Speed	Configurable, from 0.1°/s to 50°/s. Preset speed: 50°/s
Proportional Zoom	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Power-off Memory	Yes
Park Action	Preset/Patrol Scan
PTZ Position Display	Yes
Preset Freezing	Yes
Scheduled Task	Preset/Patrol /Dome Reboot/Dome Adjust/Aux Output

Compression Standard	
Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG
H.264 Type	Baseline profile/main profile/high profile
H.264+	Yes
H.265 Type	Main Profile
H.265+	Yes
Video Bitrate	32 Kbps to 16384 Kbps
SVC	Yes
Smart Features	
Basic Event	Motion Detection, Video Tampering Detection
Smart Event	Intrusion Detection, Line Crossing Detection, Audio Exception Detection
ROI	Main stream, sub-stream, and third stream respectively support two fixed areas.
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Image Enhancement	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus
SVC	Yes
Network	
Network Storage	Built-in memory card slot, support microSD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
Alarm Linkage	Alarm actions, such as Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour
API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 user levels, administrator, operator and user
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+
Wi-Fi	Yes
Interface	
Alarm	1-ch alarm input and 1-ch alarm output
Audio	1-ch audio input and 1-ch audio output

Network Interface	1 RJ45 10 M/100 M Ethernet Interface, PoE (802.3af, class3)
General	
Language (Web Browser Access)	32 languages. English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power	12 VDC, 0.75 A and PoE (802.3af), 36 to 57 VDC, 0.35 A, Class3 Max. 9 W, including max. 3 W for IR
Working Environment	Temperature: -10°C to 50°C (14°F to 122°F), humidity: ≤ 90%
Protection Level	4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	ADC12 PC PC+ABS SUS304 POM
Dimension	Φ 125 mm × 136.7 mm (Φ 4.92" × 5.38")
Weight	Approx. 0.65 kg (1.43 lb.)

DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	120.0 m (393.7 ft)	47.6 m (156.2 ft)	24.0 m (78.7 ft)	12.0 m (39.4 ft)

Available Model

DS-2DE2204IW-DE3/W, 12 VDC & PoE (802.3af, class3)

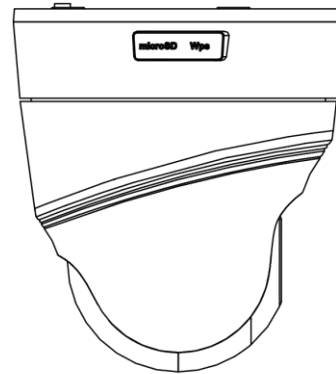
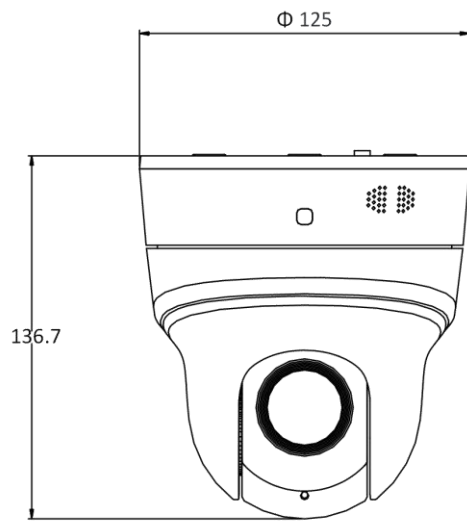
Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

Dimensions



Unit: mm

Accessory

Optional



DS-1294ZJ
Wall Mount



DS-1100KI
Network Keyboard



DS-1005KI
USE Joy-stick



MSA-C1500IC12.0-18P-US
MSA-C1500IC12.0-18P-GB
MSA-C1500IC12.0-18P-JP
Power adapter



LAS60-57CN-RJ45
Hi-PoE Midspan

Distributed by

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