

## 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)
<b>General</b>	
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

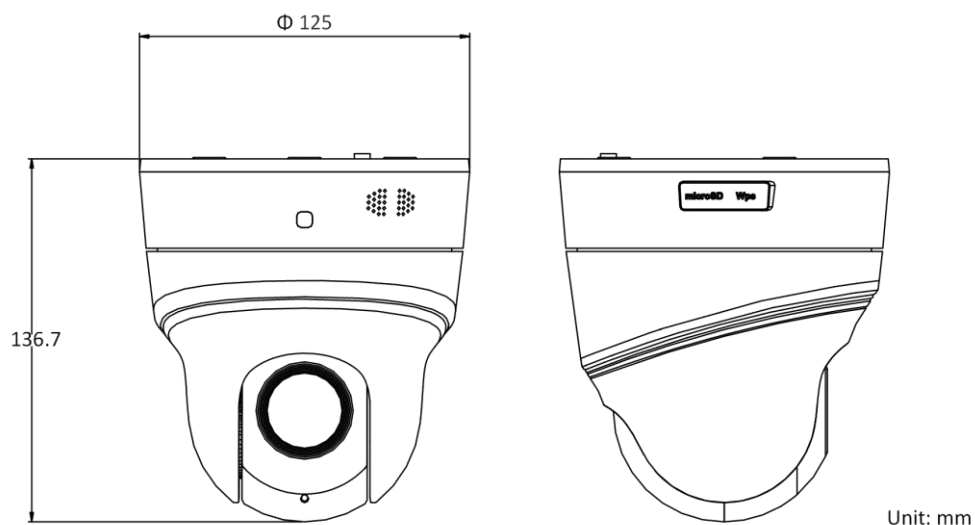
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

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)

## Dimensions



## 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



## HIKVISION®

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com