

## DS-2DE4A204IW-DE (8-32 mm) 2MP 4× Network IR PTZ Camera



Hikvision DS-2DE4A204IW-DE (8-32mm) Network IR PTZ Camera adopts 1/1.9" progressive scan CMOS chip. With the 4× optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

### Key Features

- 1/1.9" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Ultra-low light:  
Color: 0.002 Lux @(F1.6, AGC ON)  
B/W: 0.0002 Lux @(F1.6, AGC ON)  
0 Lux with IR
- 4× optical zoom, 16× digital zoom
- Digital Defog, EIS, 3D DNR, BLC, HLC, WDR
- Up to 50 m IR distance
- 12 VDC & PoE+ (802.3at, class4)
- Support H.265+/H.265 video compression



## Specification

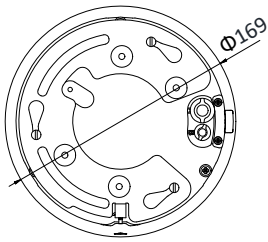
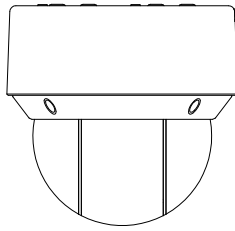
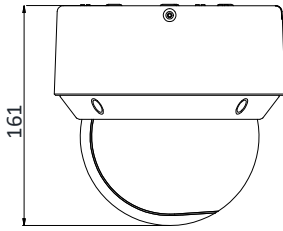
Camera Module	
<b>DS-2DE4A204IW-DE (8-32 mm) 2MP 4× Network IR PTZ Camera</b>	
Image Sensor	1/1.9" progressive scan CMOS
Min. Illumination	Color: 0.002 Lux @(F1.6, AGC ON) B/W: 0.0002Lux @(F1.6, AGC ON) 0 Lux with IR
Shutter Time	50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s
White Balance	Auto/Manual/ATW (Auto Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
AGC	Auto/Manual
Day & Night	IR Cut Filter
Digital Zoom	16×
Privacy Mask	8 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
3D DNR	Support
BLC	Support
HLC	Support
WDR	Support
Digital Defog	Support
EIS	Support
Regional Exposure	Support
Regional Focus	Support
Lens	
Focal Length	8 mm to 32 mm, 4× Optical
Zoom Speed	Approx. 2.5 s (optical lens, wide-tele)
Field of View	42.2° to 13.5° (wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.6
PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 300°/s, Preset Speed: 350°/s
Movement Range (Tilt)	From -5° to 90°
Tilt Speed	Configurable, from 0.1°/s to 160°/s, Preset Speed: 200°/s
Proportional Zoom	Support
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	Support
Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
PTZ Position Display	ON/OFF
Preset Freezing	Support
Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
Smart Features	
Basic Event Detection	Motion Detection, Video Tampering
Smart Event Detection	Intrusion Detection, Line Crossing Detection, Audio Exception Detection, Region Entrance Detection, Region Exiting Detection, Face Detection

Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
Auto-tracking	Support
<b>Infrared</b>	
IR Distance	50 m
Smart IR	Support
IR Control	IR brightness and angle are intelligently adjustable according to the scenes.
<b>Network</b>	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (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)
ROI	Support
SVC	Support
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 with Baseline/Main/High Profile
Audio compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 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
<b>System Integration</b>	
Alarm Input	2-ch alarm input
Alarm Output	2-ch alarm output
Alarm Linkage	Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, Alarm Input, etc.
Audio Input	1-ch audio input
Audio Output	1-ch audio output
Network Interface	1 RJ45 10 M/100 M Ethernet Interface; PoE+ (802.3at, class4)
Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/CIFS), ANR
API	Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform
Client	iVMS-4200, iVMS-4500, iVMS-5200
Web Browser	IE 8+, Firefox 30+, Safari 8.0+ web browser
<b>General</b>	
Power	12 VDC and PoE+ (802.3at, class4) Max.: 18 W (Max. 5 W for IR)
Working Temperature	Outdoor: -30°C to 65°C (-22°F to 149°F)
Working Humidity	≤ 90%
Protection Level	IP66 Standard; TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions	Φ 169 mm × 161 mm (Φ 6.65" × 6.34")
Weight	Approx. 2.45 kg (5.40 lb)

**Order Model**

DS-2DE4A204IW-DE (8-32mm)

**Dimensions**



Unit: mm

## Accessories



DS-1605ZJ

Wall Mounting Bracket



DS-1671ZJ-SD11

In-ceiling Mounting Bracket



DS-1280ZJ-SD11

Junction Box



DS-1691ZJ-(M)(L)

Pendant Mounting Bracket



DS-1100KI

Network Keyboard



DS-1005KI

USB Joy-stick

Distributed by



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