

## DS-2DE4A404IW-DE (8-32mm) 4MP 4× Network IR PTZ Camera



Hikvision DS-2DE4A404IW-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 2560 × 1440 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 WDR, HLC, BLC, 3D DNR, Digital Defog, EIS, Regional Exposure, Regional Focus
- Up to 50 m IR distance
- 12 VDC & PoE+ (802.3at, class4)
- Support H.265+/H.265 video compression



## Specification

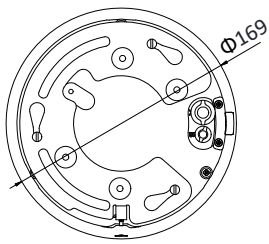
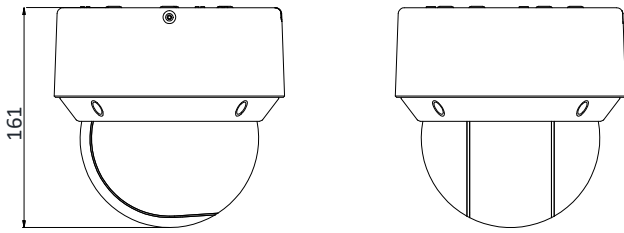
| Camera Module         |   |
|-----------------------|---|
| Image Sensor          | 1/1.9" progressive scan CMOS  |
| Min. Illumination     | Color: 0.002 Lux @(F1.6, AGC ON)<br>B/W: 0.0002Lux @(F1.6, AGC ON)<br>0 Lux with IR   |
| White Balance         | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp   |
| Gain                  | Auto/Manual   |
| Shutter Time          | 50Hz: 1/1 s to 1/30,000 s<br>60Hz: 1/1 s to 1/30,000 s  |
| Day & Night           | IR Cut Filter   |
| Digital Zoom          | 16×   |
| Privacy Mask          | 24 programmable privacy masks   |
| Focus Mode            | Auto/Semi-automatic/Manual  |
| WDR                   | Digital WDR   |
| Lens                  |   |
| Focal Length          | 8 mm to 32 mm, 4× optical zoom  |
| Zoom Speed            | Approx. 2.5 s (optical lens, wide-tele)   |
| Field of View         | Horizontal field of view: 36° to 11.56° (Wide-Tele)<br>Vertical field of view: 20° to 6.6° (Wide-Tele)<br>Diagonal field of view: 41.4° to 13.18° (Wide-Tele) |
| Working Distance      | 10 mm to 1500 mm (wide-tele)  |
| Aperture Range        | F1.6  |
| IR                    |   |
| IR Distance           | 50 m  |
| Smart IR              | Support   |
| 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° (auto-flip)   |
| 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  |
| 3D Positioning        | Support   |
| PTZ Position Display  | Support   |
| 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                                   |
| Compression Standard  |   |
| Video Compression     | Main Stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third Stream: H.265/H.264/MJPEG  |
| H.264 Type            | Baseline Profile/Main Profile/High Profile  |
| H.264+                | Support   |
| H.265 Type            | Baseline Profile/Main Profile/High Profile  |

|                        |  |
|------------------------|--|
| H.265+                 | Support  |
| Video Bitrate          | 256 Kbps to 16384 Kbps   |
| Audio Compression      | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM  |
| SVC                    | Support  |
| <b>Smart Features</b>  |  |
| Basic Event Detection  | Motion Detection, Alarm Input, Alarm Output, Video Tampering, Exception  |
| Smart Event Detection  | Audio Exception Detection, Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection   |
| Smart Record           | ANR (Automatic Network Replenishment), Dual-VCA  |
| Smart Tracking         | Manual Tracking, Auto Tracking, Event Tracking, support multi scenes patrol tracking   |
| ROI                    | Main stream, sub-stream, and third stream respectively support four fixed areas.   |
| <b>Image</b>           |  |
| Max. Resolution        | 2560 × 1440  |
| Main Stream            | 50Hz: 25fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)<br>50fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)<br>60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream             | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)   |
| Third Stream           | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)   |
| Image Enhancement      | HLC/BLC/3D DNR/Digital Defog/EIS/Regional Exposure/Regional Focus  |
| <b>Network</b>         |  |
| Network Storage        | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), ANR  |
| Alarm Linkage          | Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input, etc.  |
| Protocols              | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour   |
| API                    | Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform   |
| Simultaneous Live View | Up to 20 channels  |
| User/Host              | Up to 32 users<br>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  |
| Client                 | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect   |
| Web Browser            | IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51  |
| <b>Interface</b>       |  |
| Alarm Interface        | 2-ch alarm input and 2-ch alarm output   |
| Audio Interface        | 1-ch audio input and 1-ch audio output   |
| Network Interface      | 1 RJ45 10 M/100 M Ethernet, PoE+ (802.3at, class4)   |
| <b>General</b>         |  |
| Power                  | 12 VDC and PoE+ (802.3at, class4)<br>Max.: 18 W (5.5 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   |
| Material               | Aluminum Alloy   |
| Dimensions             | Φ 169 mm × 161 mm (Φ 6.65" × 6.34")  |
| Weight                 | Approx. 2.45 kg (5.40 lb)  |

**Available Model**

DS-2DE4A404IW-DE (8-32 mm)

**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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