

**DS-2DE4A220IW-DE**  
**2MP Network IR mini PTZ Camera**



Hikvision DS-2DE4A220IW-DE Network IR mini PTZ Cameras adopt 1/2.8" progressive scan CMOS chip. With the 20x 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**

- 1/2.8" Progressive Scan CMOS
- Up to 1920×1080 resolution
- 20× Optical Zoom, 16× Digital Zoom
- WDR, 3D DNR, HLC, Smart IR
- Up to 50m IR distance
- 12VDC & POE (802.3at, class4)



## Specification

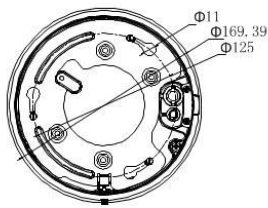
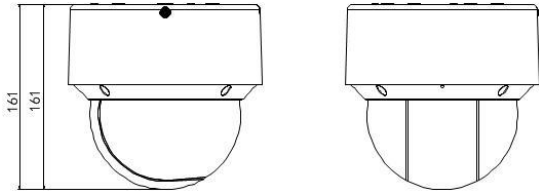
Camera Module	DS-2DE4A220IW-DE 2MP Network IR mini PTZ Camera
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.05 Lux @ (F1.6, AGC ON) B/W: 0.01 Lux @ (F1.6, AGC ON) 0 Lux with IR
White Balance	Auto/ Manual/ ATW (Auto Tracing White Balance)/ Indoor/ Outdoor/ Fluorescent lamp/ Sodium lamp
AGC	Auto/ Manual
Shutter Speed	1/1 to 1/30,000s
Day & Night	Auto ICR
Digital Zoom	16×
Privacy Mask	8 programmable privacy masks
Focus Mode	Auto/ Semi-automatic/ Manual
3D DNR	Support
BLC	Support
WDR	Support
Regional Exposure	Support
Regional Focus	Support
Lens	
Focal Length	4.7 to 94mm, 20× Optical
Zoom Speed	Approx. 2.7s (optical lens, wide-tele)
Field of View	61.4° to 2.9° (wide-tele)
Working Distance	10 to 1500mm (wide-tele)
Aperture Range	F1.6 to F3.5
IR	
IR Distance	Up to 50m
IR Intensity	Automatically adjusted, depending on the zoom ratio
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

Network	
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)
Video Compression	H.264/ MJPEG
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, RTCP, RTP, TCP/IP, 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
System Integration	
Alarm Input	2-ch alarm input
Alarm Output	2-ch alarm output
Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Car/NAS, Send Email, etc.
Audio Input	1-ch audio input
Audio Output	1-ch audio output
Network Interface	1 RJ45 10M/100M Ethernet Interface; POE (802.3at, class4)
Memory Card	Built-in memory card slot, supporting Micro SD/SDHC/SDXC, up to 128GB
API	Open-ended, supporting ONVIF, PSIA and CGI, supporting HIKVISION SDK and Third-Party Management Platform, supporting Hik Cloud P2P
Client	iVMS-4200
Web Browser	IE7+, Chrome18+, Firefox5.0+, Safari5.02+
General	
Power	DC 12V and PoE (802.3at, class4) Max.: 18W (IR light 5W Max.)
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
Installation	Variable installation methods optional, including ceiling mounting (default), in-ceiling mounting, junction box installation and wall mounting
Dimensions(mm)	Φ169.39mm ×161mm (Φ6.67"×6.34")
Weight	Approx. 2.45kg (5.40lb)

## Order Model

DS-2DE4A220IW-DE, DC12V & POE (802.3at, class4)

## Dimension



Unit:mm

## Accessories

DS-1605ZJ Wall Mount Bracket

DS-1671ZJ-SD11 In-ceiling Mount Bracket

DS-1280ZJ-SD11 Junction Box

DS-1691ZJ-(M)(L) Pendant Mount Bracket

Distributed by



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