

DS-2DE4A220IW-DE

Value Series 2 MP Indoor/Outdoor Network IR PTZ Camera

- 1/2.8" Progressive Scan CMOS
- Up to 1920 × 1080 Resolution
- 20x Optical Zoom, 16x Digital Zoom
- WDR, 3D DNR, HLC, Smart IR
- Basic Smart Suite Analytics
- Up to 164 ft (50 m) IR Distance
- H.265+ Video Compression Supported
- IP66 Protection
- 12 VDC and PoE+ (802.3at, class 4)



Hikvision DS-2DE4A220IW-DE Indoor/Outdoor Network IR PTZ Cameras are a versatile solution for all of your security needs. They feature a wide range viewing angle that captures images with a resolution of 1080p at up to 60 fps. The Network IR PTZ supports 20x optical and 16x digital zoom, and is equipped with an IR lamp with a range of up to 164 ft (50 m), which facilitates nighttime recording in ultra-low light conditions.

Available models:
DS-2DE4A220IW-DE













DS-2DE4A220IW-DE	
Camera Module	
Image Sensor	1/2.8" progressive scan CMOS
Minimum 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 tracking white balance) / indoor / outdoor / fluorescent lamp / sodium lamp
AGC	Auto / manual
Shutter Time	1/1 s to 1/30,000 s
Day and Night	IR Cut Filter
Digital Zoom	16x
Privacy Mask	8 programmable privacy masks
Focus Mode	Auto / semi-automatic / manual
3D DNR	Supported
BLC	Supported
WDR	Supported
Regional Exposure	Supported
Regional Focus	Supported
Lens	
Focal Length	4.7 mm to 94 mm, 20x optical
Zoom Speed	Approximately 2.7 s (optical lens, wide-tele)
Field of View	61.4° to 2.9° (wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.6 to F3.5
IR	
Operating Conditions	Up to 164 ft (50 m)
Power Supply	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	Supported
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	Supported
Park Action	Preset / pattern scan / patrol scan / auto scan / tilt scan / random scan / frame scan / panorama scan
PTZ Position Display	ON / OFF
Preset Freezing	Supported
Scheduled Task	Preset / pattern scan / patrol scan / auto scan / tilt scan / random scan / frame scan / panorama scan / dome reboot / dome adjust
Features	
Smart Detection	Intrusion detection, line crossing detection, region exiting detection, region entrance detection
ROI encoding	Main stream, sub-stream and third stream respectively support two fixed areas
Network	
Maximum Resolution	1920 × 1080
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720), 50 fps (1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720), 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
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.711 alaw / G.711 ulaw / G.722.1 / G.726 / MP2L2 / PCM
SVC	Supported
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 card / NAS, send email, 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 microSD/SDHC/SDXC, up to 128 GB; NAS (NPS, SMB/ CIFS), ANR
API	Open-ended, support ONVIF, PSIA and CGI, support HIKVISION SDK and third-party management platforms
Client	iVMS-4200, iVMS-4500, iVMS-5200
Web Browser	IE 7+, Chrome 18+, Firefox 5.0 +, Safari 5.02+

General

Power	12 VDC and PoE+ (802.3at, class4), maximum: 18 W (IR light 5 W maximum)
Working Environment	Temperature: outdoor: -22° F to 149° F (-30° C to 65° C); Humidity: ≤ 90%
Protection Level	IP66; TVS 4000 V lightning protection, surge protection and voltage transient protection
Dimensions	Ø6.65" × 6.34" (169 mm × 161 mm)
Weight	Approximately 5.40 lbs (2.45 kg)

Accessories

									
CPM Camera Ceiling Pendant Mount	CPME Camera Ceiling Pendant Mount, 1" Extension Pipe	WMS Short Wall Mount, with Junction Box	WML Long Wall Mount, with Junction Box	PM Pole Mount Adapter	CM Corner Mount Adapter	RPM Roof Parapet Mount	RCM-DE4A Recessed Ceiling Mount for DE4 PTZ Cameras	CB-DE4A Conduit Base for DE4 PTZ Cameras	PC-DE4A Pendant Cap for DE4 PTZ Cameras

Dimensions

