DS-2DE4220IW-D
2MP H.265 20X Network IR PTZ Dome Camera

Hikvision DS-2DE4220IW-D PTZ Dome Cameras are able to capture high quality images in low light environment with its black anti-reflective glass. The H.265 video compression can reduce up to 50% transmission bandwidth. The black anti-reflective glass increase the luminousness which can reach up to 100m IR distance.
Embedded with 1/2.8'' progressive scan CMOS chip makes DWDR and 2MP real-time resolution possible. With the 20X optical zoom Day/Night lens, the camera offers more details over expansive areas.
Hikvision DS-2DE4220IW-D PTZ Dome Cameras also features a wide range of functions, including intrusion detection, line crossing detection benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs.

Key Features

- 1/2.8" Progressive Scan CMOS
- 1920 x 1080
- Support H.265 Video Compression
- 20X Optical Zoom
- DWDR
- 3D intelligent positioning function
- Support EZVIZ cloud P2P
- Up to 100m IR distance
- 12VDC power supply
- Support H.265

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Function Description

Basic function:
- *High performance sensor, up to 1920 x 1080 resolution*
- *±0.1° Preset Accuracy*
- *ONVIF(Open Network Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility*
- *3D intelligent positioning function*
- *Power-off memory function: restore PTZ & Lens status after reboot*
- *IP66 standard*
- *Support EZVIZ cloud P2P*

Functions:
- *Detections: intrusion detection, line crossing detection, motion detection*
- *Recording: edge recording, support smart search in smart NVR*
- *Support low bit rate, ROI*

Camera function:
- *Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch*
- *Min. Illumination: 0.05Lux@(F1.6,AGC ON)(Color), 0.01Lux@(F1.6,AGC ON)(B/W), 0 Lux with IR*
- *Support 8 privacy masks*

PTZ function:
- *360° endless pan range and -15° -90° tilt range*
- *80°/s Pan Preset Speed and 80°/s Tilt Preset Speed*
- *0.1° -80°/s Manual Pan Speed and 0.1° -80°/s Manual Tilt Speed*
- *300 presets programmable; preset image freezing capability*
- *8 patrols, up to 32 presets per patrol*

Network function:
- *H.265/ H.264/ MJPEG video compression and the latest processing chip and platform*
- *Built-in Web server*
- *Support Micro SD card local storage, up to 128GB*
- *Support up to 8 NAS storage; Transmit the videos from SD card to the NAS after network resumed*
- *HTTPS encryption and IEEE 802.1X port-based network access control*
- *Support dual-stream; H.265/ H.264/ MJPEG video compression; Basic and advanced video configuration; Main stream real time video at 1080P or 720P*
- *Multiple network protocols supported: IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE*

IR function:
- *0 Lux minimum illumination*
- *Up to 100m IR distance*
- *IR light MTBF reaching up to 30,000 hours*
- *Smart IR mode*

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Model	DS-2DE4220IW-D
Camera Module	
Image Sensor	1/2.8'' Progressive Scan CMOS
Min. Illumination	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux, 0 lux with IR
Max. Image Resolution	1920 × 1080
Focal Length	4.7-94.0mm, 20x
Digital Zoom	16X
Zoom Speed	Approx.3s(Optical Wide~Tele)
Angle of View	58.3-3.2 degree (Wide~Tele)
Min. Working Distance	10~1,000mm(Wide~Tele)
Aperture Range	F1.6~F3.5
Focus Mode	Auto / Semiautomatic / Manual
DWDR	Support
S / N Ratio	≥ 52dB
Shutter Time	1-1/10,000s
AGC	Auto / Manual
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	8 privacy masks programmable
Enhancement	3D DNR, Defog, HLC/BLC
Pan and Tilt	
Range	Pan:360° endless; Tilt: -15°~90°(Auto Flip)
Speed	Pan Manual Speed: 0.1°~80°/s, Pan Preset Speed: 80°/s Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
Scheduled Task	Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output
Features	
Detection	Intrusion detection, Line crossing detection, Motion detection
ROI encoding	Support 4 areas with adjustable levels
Infrared	
IR Distance	Up to 100m
IR Intensity	Automatically adjusted, depending on the zoom ratio
Network	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Main Stream	50Hz:25fps(1920×1080), 25fps (1280×720), 60Hz:30fps(1920×1080), 30fps (1280×720)

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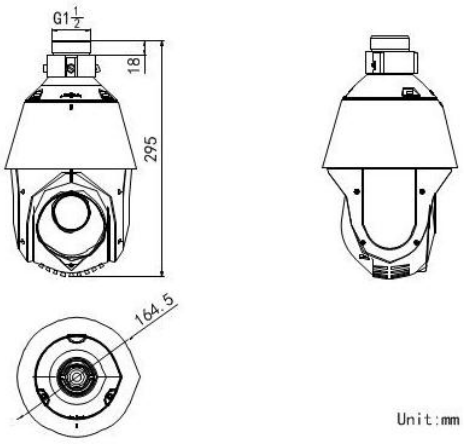
Sub Stream	50Hz:25fps(704×576), 25fps(352×288), 25fps(320×240); 60Hz:30fps(704×480), 30fps(352×240), 30fps(320×240)
Image Compression	H.265/H.264/MJPEG
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge recording
User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW); Host authentication (MAC address); IP address filtering
System Integration	
Application programming	Open-ended API, support ONVIF, PSIA and CG , Support EZVIZ cloud P2P
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +
Power	12 VDC, Max.20W
Working Temperature	-30° C ~ 65° C (-22° F ~ 149° F)
Humidity	90% or less
Protection Level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1
Dimensions	Φ164.5(mm)×295(mm)
Weight (approx.)	2kg (4.41lbs)
Mount Option	Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ

Dimensions



Accessories

DS-1602ZJ
Wall Mount

DS-1602ZJ-Conner
Conner Mount

DS-1602ZJ-Pole
Pole Mount

DS-1602ZJ-Box
Box Mount

DS-1663ZJ
Celling mount

DS-1661ZJ
Pendant mount

DS-1662ZJ
Pendant mount

DS-1618ZJ
Short arm wall Mount

DS-1100KI
Network Keyboard

DS-1005KI
USB Joy-stick

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