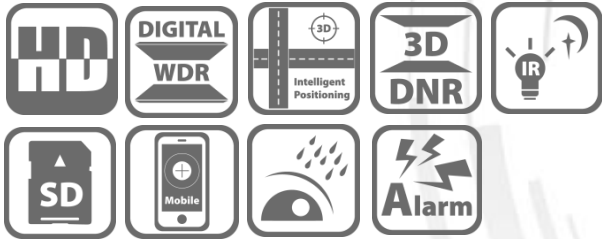


## DS-2DE7220IW-AE 2MP 20X Network IR PTZ Dome Camera



Hikvision DS-2DE7220IW-AE PTZ Dome Cameras are embedded with 1/2.8" progressive scan CMOS chip, which 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-2DE7220IW-AE PTZ Dome Cameras also features a wide range of functions, including intrusion detection, line crossing detection, and audio exception, 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
- 20X Optical Zoom
- DWDR
- 3D intelligent positioning function
- Support EZVIZ cloud P2P
- Up to 150m IR distance
- Hi-PoE / 24VAC power supply



## Function Description

### Basic function

- High performance CMOS, up to 1920 x 1080 resolution.
- $\pm 0.1^\circ$  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.
- 3D DNR.
- IP66 standard
- 2 alarm inputs and 1 alarm outputs,alarm linkage support preset, patrol, pattern, recording, relay output, upload center, etc..
- 1 audio input and 1 audio output.

### Smart Function

- Smart image processing: support defog, HLC/BLC.
- Smart codec: low bit rate, ROI.
- Smart detection: support intrusion detection, line crossing detection, audio exception detection.

### Camera function

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

### PTZ functions

- 360° endless pan range and -15°-90° tilt range
- 240°/s Pan Preset Speed and 200°/s Tilt Preset Speed
- 0.1°-160°/s Manual Pan Speed and 0.1°-120°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol Park action.
- Power-off memory: restore PTZ & Lens status after reboot.

### Network function

- H.264/MJPEG video compression.
- H.264 encoding with Baseline/Main/High profile.
- ROI(Region of Interest) encoding.
- Built-in Web server.
- Onboard storage, up to 128GB.
- Support up to 8 NAS storage; Edge recording(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-streams.
- 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.

## Specifications

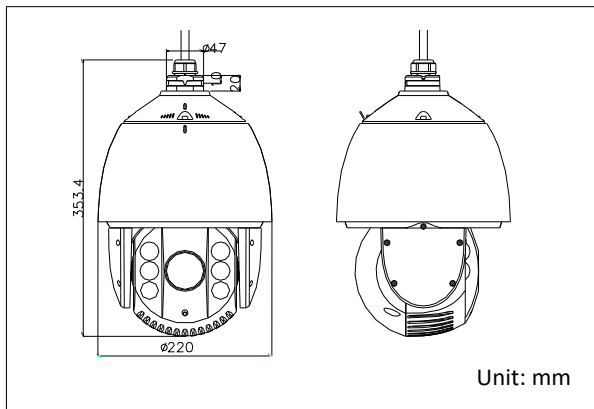
<b>Model</b>	<b>DS-2DE7220IW-AE</b>
<b>Camera Module</b>	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01lux, 0 lux with IR
Max. Image Resolution	1920 x 1080
Focal Length	4.3-94.0mm, 20x
Digital Zoom	16X
Zoom Speed	Approx.3s(Optical Wide~Tele)
Angle 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
<b>Pan and Tilt</b>	
Range	Pan:360° endless; Tilt: -15°~90°(Auto Flip)
Speed	Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/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
<b>Features</b>	
Detection	Intrusion detection, Line crossing detection, Audio exception detection, Motion detection
ROI encoding	Support
<b>Infrared</b>	
IR Distance	Up to 150m
IR Intensity	Automatically adjusted, depending on the zoom ratio

<b>Alarm</b>	
Alarm I/O	2/1
Alarm Trigger	Intrusion detection, Line crossing detection, Audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Patrol, Pattern, Recording, Relay output, Upload center, Upload FTP, Email linkage
<b>Input/Output</b>	
Audio Input	1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1K $\Omega$ , $\pm$ 10%
Audio Output	1 Audio output interface, line level, impedance: 600 $\Omega$
<b>Network</b>	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Main Stream	50Hz: 25 fps (1920x1080), 25 fps (1280x720) 60Hz: 30 fps (1920x1080), 30 fps (1280x720)
Sub Stream	50Hz:25fps(704 $\times$ 576)、25fps(352 $\times$ 288)、25fps(320 $\times$ 240) 60Hz:30fps(704 $\times$ 480)、30fps(352 $\times$ 240)、30fps(320 $\times$ 240)
Image Compression	H.264/MJPEG
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722
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
<b>System Integration</b>	
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	High-PoE&24 VAC, Max.40W
Working Temperature	-30 $^{\circ}$ C ~ 65 $^{\circ}$ C (-22 $^{\circ}$ F ~ 149 $^{\circ}$ 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	$\Phi$ 220 $\times$ 353.4mm ( $\Phi$ 8.66 $\times$ 13.91 $''$ )
Weight (approx.)	4.5kg(9.92lbs)
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

## Order Models

- DS-2DE7220IW-AE, Hi-PoE, 24VAC, Outdoor

## Dimensions



## Accessories



DS-1602ZJ Wall Mount    DS-1602ZJ-Conner Conner Mount    DS-1602ZJ-Pole Pole Mount    DS-1602ZJ-Box Box Mount



DS-1663ZJ Ceiling mount    DS-1661ZJ Pendant mount    DS-1662ZJ Pendant mount    DS-1619ZJ Swan-neck Mount



DS-1100KI Network Keyboard

DS-1005KI USB Joy-stick

Distributed by



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