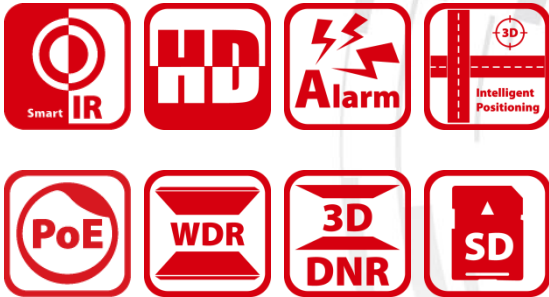


## DS-2DE4220W Series 2.0 MP 4-inch 20X Network PTZ Dome Camera



Hikvision DS-2DE4220W Series PTZ Dome Cameras are able to capture high quality images in low light environment.

Embedded with 1/2.8" progressive scan CMOS sensor 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-2DE4220W Series PTZ Dome Cameras also features a wide range of functions, and can be widely applied in forest, freeway, railway, airport, harbor, park, street, bus station, etc..

### Key Features

- 1/2.8" Progressive Scan CMOS
- 1920 × 1080@30fps Resolution
- 20X Zoom
- DWDR
- 3D Positioning
- PoE (802.3at, class 4)
- Hik Cloud P2P
- IP66



## Function Description

### Basic Function

- H.264/MJPEG video compression, up to 1920 × 1080@30fps resolution
- PoE (802.3at)
- Mirror, and one-key restore
- Supports Hikvision SDK, ONVIF, CGI, PSIA, and Hik Cloud P2P
- 3D positioning
- ±0.1° preset accuracy
- Power-off memory: restore PTZ and Lens status after reboot

### Smart Function

- Smart detection: intrusion detection, line crossing detection, audio exception detection, motion detection, and video tampering detection
- Smart recording: edge storage, smart search in smart NVR, and VCA playback
- Smart image enhancement: Digital WDR (Wide Dynamic Range), HLC (High Light Compensation), Defog, EIS (Electronic Image Stabilization)
- Smart encoding: low bitrate, and ROI (Region of Interest) encoding
- Smart alarm: alarm for network disconnection, IP address conflict, HDD full, HDD error, and illegal login

### Camera Function

- 20 × optical zoom, 16 × digital zoom
- Auto iris, auto focus, auto white balance, backlight compensation and 3D DNR
- Min. Illumination: 0.05Lux@(F1.6, AGC ON) (Color), 0.01Lux@(F2.0, AGC ON) (B/W)

### PTZ Function

- 0° to 360° pan range, and 5° to 90° tilt range
- 0.1° to 160°/s manual pan speed, and 0.1° to 120°/s manual tilt speed
- 300 programmable presets
- 8 patrols, up to 32 presets for each patrol
- Proportional zoom, and park action
- 1 alarm input, 1 alarm output, and alarm linkage which is able to perform alarm actions, such as Send Email, Notify Surveillance Center, Upload to FTP/Memory Car/NAS, Trigger Recording, etc.

### Network Function

- Micro SD/SDHC/SDXC card storage, up to 128GB
- Built-in microphone with 1 audio input and 1 audio output
- Supports NAS storage, and able to transmit the videos from memory card to the NAS after network resumed
- HTTPS encryption and IEEE 802.1x port-based network access control
- Supports three streams, H.264/MJPEG video compression, and baseline, main and high profiles
- Supports multiple network protocols: IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour

## Specification

| Camera Module                 |  |
|-------------------------------|--|
| <b>DS-2DE4220W</b>            |  |
| Image Sensor                  | 1/2.8" progressive scan CMOS   |
| Min. Illumination             | Color: 0.05 Lux @ (F1.6, AGC ON), B/W: 0.01Lux @ (F1.6, AGC ON)  |
| Day & Night                   | ICR Switch   |
| Focus Mode                    | Auto/Semi-Auto/Manual  |
| Shutter Speed                 | 1/1 to 1/10,000s   |
| Digital Zoom                  | 16×  |
| White Balance                 | Auto/manual/ATW (auto tracking white balance)/indoor/outdoor/daylight lamp/sodium lamp   |
| AGC                           | Auto/Manual  |
| Backlight Compensation        | Support  |
| Wide Dynamic Range            | Support  |
| DNR (Digital Noise Reduction) | Support  |
| Privacy Mask                  | 8 programmable privacy masks   |
| Lens                          |  |
| Focal Length                  | 4.7 to 94mm, 20×   |
| Field of View                 | 61.4° to 2.9° (wide-tele)  |
| Working Distance              | 10 to 1000mm (wide-tele)   |
| Zoom Speed                    | Approx. 3s (optical lens, wide-tele)   |
| Aperture Range                | F1.6 to F3.5   |
| Smart                         |  |
| Smart Detection               | Intrusion detection, line crossing detection, audio exception detection, motion detection, and video tampering detection                                     |
| Smart Recording               | Edge storage, smart search in smart NVR, and VCA playback  |
| Smart Image Enhancement       | WDR, HLC, Defog, EIS   |
| Smart Encoding                | Low bitrate, and ROI (Region of Interest) encoding   |
| Smart Alarm                   | Alarm for network disconnection, IP address conflict, HDD full, HDD error, and illegal login   |
| Network                       |  |
| Main Stream                   | 50Hz: 25fps (1920×1080,1280×960,1280×720), 50fps (1280×960,1280×720)<br>60Hz: 30fps(1920×1080,1280×960,1280×720), 60fps (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)                        |
| Video Compression             | H.264/MJPEG  |
| Audio compression             | G.711alaw/G.711ulaw/G.722/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 users   |
| User/Host                     | Up to 32 users, 3 levels: Administrator, Operator, and User  |
| Security Measures             | User authentication (ID and PW), host authentication (MAC address), IP address filtering, HTTPS encryption and IEEE 802.1x port-based network access control |
| Pan and Tilt                  |  |
| Movement Range                | Pan: 360°, Tilt: 5° to 90°   |
| Movement Speed                | Pan: 0.1° to 160°/s, Tilt: 0.1°to 120°/s   |
| Preset No.                    | 300  |

|                           |  |
|---------------------------|--|
| Patrol                    | 8 patrols, up to 32 presets per patrol   |
| Park Action               | Preset/patrol/pattern/auto scan/tilt scan/random scan/frame scan/panorama scan   |
| Scheduled Task            | Preset/patrol/pattern/auto scan/tilt scan/random scan/frame scan/panorama scan/dome reboot/dome adjust/aux output  |
| Proportional Zoom         | Support  |
| Power-off Memory          | Support  |
| Position Display          | On/ Off  |
| <b>System Integration</b> |  |
| Alarm I/O                 | 1 alarm input, 1 alarm output  |
| Alarm Linkage             | Alarm actions, such as Send Email, Notify Surveillance Center, Upload to FTP/Memory Car/NAS, Trigger Recording etc.  |
| Audio I/O                 | 1 audio input, 1 audio output  |
| Ethernet                  | 1 RJ45 10M/100M Ethernet interface   |
| Memory Card               | Built-in memory card slot, supporting SD/SDHC/SDXC, up to 128GB  |
| Client                    | iVMS-4200  |
| Web Browser               | IE7+, Chrome18+, Firefox5.0+, Safari5.02+  |
| <b>General</b>            |  |
| Power                     | AC 24V, and PoE (802.3at)<br>Max.: 18W   |
| Working Temperature       | Indoor Models: -10°C to 50°C (-14°F to 122°F)<br>Outdoor Models: -30°C to 65°C (-22°F to 149°F)  |
| Working Humidity          | ≤ 90%  |
| Protection Level          | IP 66 (outdoor models), TVS 4,000V lightning protection, and surge protection  |
| Dimensions(mm)            | In-Ceiling Mounting Indoor Models: Φ165×168mm (Φ6.5"×6.6")<br>Ceiling Mounting Indoor Models: Φ165×179.5mm (Φ6.5"×7.1")<br>Outdoor Models: Φ179.4×239.5mm (Φ7.1"×9.4") |
| Weight                    | Approx. 2.0kg (4.4lb)  |

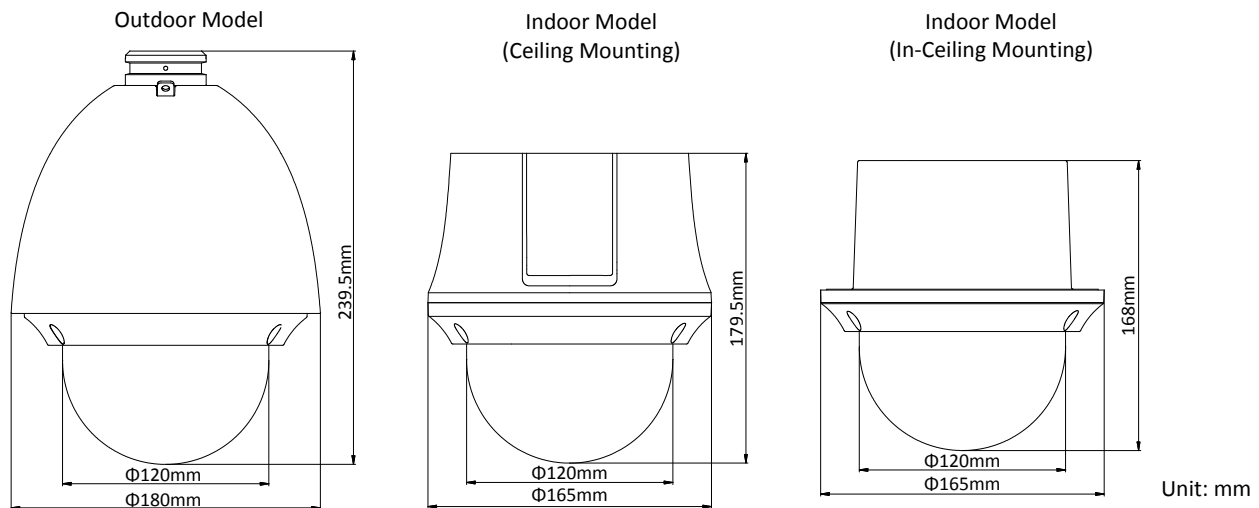
## Available Model

DS-2DE4220W-AE: PoE (802.3at, class4) & AC24V, outdoor model

DS-2DE4220W-AE3: PoE (802.3at, class4) & AC24V, indoor model

\* The indoor models support both the in-ceiling mounting and the ceiling mounting.

## Dimension



## Accessories



DS-1618Z

Short-Arm Wall Mounting



DS-1661ZJ

Pendent Mounting (20cm)



DS-1662ZJ

Pendent Mounting (50cm)



DS-1663ZJ

Ceiling Mounting

Distributed by



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