

## DS-2DE2204IW-DE3/W(S6) 2 MP Network IR Mini PTZ Camera



Hikvision DS-2DE2204IW-DE3/W(S6) 2 MP Network IR Mini PTZ Camera can be widely used in multiple indoor scenes, such as malls, stores, factories, entrances and exits.

- High quality imaging with 2 MP resolution
- Clear imaging against strong back light due to 120 dB WDR technology
- 4× optical zoom provides close up views over expansive areas
- Expansive night view with up to 30 m IR distance
- Built-in microphone and speaker
- Wi-Fi connection and easy installation



## ▪ Specification

| Camera Module           |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor            | 1/2.8" progressive scan CMOS                                                                                                                          |
| Min. Illumination       | Color: 0.05 Lux @ (F1.8, AGC ON); B/W: 0.005 Lux @ (F1.8, AGC ON); 0 Lux with IR                                                                      |
| Shutter Speed           | 1/1 to 1/30,000 s                                                                                                                                     |
| Day & Night             | ICR                                                                                                                                                   |
| Day/Night Switch        | day, night, auto, scheduled-switch                                                                                                                    |
| BLC                     | yes                                                                                                                                                   |
| WDR                     | 120 dB WDR                                                                                                                                            |
| HLC                     | yes                                                                                                                                                   |
| 3D DNR                  | yes                                                                                                                                                   |
| Defog                   | yes                                                                                                                                                   |
| Regional Exposure       | yes                                                                                                                                                   |
| Image Settings          | saturation, brightness, contrast, sharpness                                                                                                           |
| Image Parameters Switch | yes                                                                                                                                                   |
| White Balance           | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp                                                             |
| Digital Zoom            | 16 ×                                                                                                                                                  |
| Privacy Mask            | up to 24 masks (8 masks for each scene)                                                                                                               |
| SNR                     | >52 dB                                                                                                                                                |
| General Function        | mirror, password protection, watermark, IP address filter                                                                                             |
| Lens                    |                                                                                                                                                       |
| Focal Length            | 2.8 to 12 mm, 4 × Optical                                                                                                                             |
| Zoom Speed              | Approx. 2 s (wide-tele)                                                                                                                               |
| FOV                     | Horizontal field of view: 96° to 46° (Wide-Tele)<br>Vertical field of view: 51° to 26° (Wide-Tele)<br>Diagonal field of view: 112° to 55° (Wide-Tele) |
| Aperture                | F1.8                                                                                                                                                  |
| PTZ                     |                                                                                                                                                       |
| Movement Range (Pan)    | 350°                                                                                                                                                  |
| Movement Range (Tilt)   | 0° to 90°                                                                                                                                             |
| Pan Speed               | pan speed: configurable from 0.1° to 60°/s; preset speed: 60°/s                                                                                       |
| Tilt Speed              | tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s                                                                                       |
| Proportional Zoom       | yes                                                                                                                                                   |
| Presets                 | 300                                                                                                                                                   |
| Power-off Memory        | yes                                                                                                                                                   |
| Park Action             | preset, patrol scan                                                                                                                                   |
| 3D Positioning          | yes                                                                                                                                                   |
| PTZ Status Display      | yes                                                                                                                                                   |
| Preset Freezing         | yes                                                                                                                                                   |
| Scheduled Task          | preset, dome reboot, dome adjust, aux output                                                                                                          |
| Video                   |                                                                                                                                                       |
| Max. Resolution         | 1920 × 1080                                                                                                                                           |
| Stream Type             | main stream, sub-stream, third stream                                                                                                                 |

|                             |                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Stream                 | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720);<br>60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)                                                                          |
| Sub-Stream                  | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288);<br>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);<br>60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)        |
| Video Compression           | H.265, H.264, MJPEG                                                                                                                                                                  |
| H.264+                      | yes                                                                                                                                                                                  |
| SVC                         | yes                                                                                                                                                                                  |
| ROI                         | yes                                                                                                                                                                                  |
| <b>Audio</b>                |                                                                                                                                                                                      |
| Audio Compression           | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM                                                                                                                                |
| Audio Bit rate              | AAC: 16 kbps, 32 kbps, 64 kbps, MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps                               |
| Audio Sampling Rate         | AAC: 16 kHz, 32 kHz, 48 kHz; MP2L2: 16 kHz, 32 kHz, 48 kHz; PCM: 8 kHz, 16 kHz, 32 kHz, 64 kHz                                                                                       |
| Environment Noise Filtering | yes                                                                                                                                                                                  |
| <b>Smart Features</b>       |                                                                                                                                                                                      |
| Basic Event                 | motion detection, video tampering alarm, alarm input, alarm output, exception                                                                                                        |
| Smart Event                 | intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection |
| Smart Record                | ANR, Dual-VCA                                                                                                                                                                        |
| Smart Encoding              | H.265+, H.264+, low bit rate, ROI, SVC                                                                                                                                               |
| <b>Network</b>              |                                                                                                                                                                                      |
| Network Storage             | NAS (NFS, SMB/ CIFS)                                                                                                                                                                 |
| Protocols                   | IPv4/IPv6, HTTP, HTTPS, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, Websocket, Websockets                            |
| API                         | ISAPI, Hikvision SDK, ISUP, Open Network Video Interface (Profile S, Profile G, Profile T)                                                                                           |
| Simultaneous Live View      | Up to 20 channels                                                                                                                                                                    |
| User/Host                   | Up to 32 users. 3 levels: Administrator, Operator and User                                                                                                                           |
| Security Measures           | Authenticated username and password, MAC address binding, HTTPS encryption, IP address filter                                                                                        |
| Web Browser                 | IE 10+, Chrome 57+, Firefox 52+, Safari 12+                                                                                                                                          |
| Client                      | iVMS-4200, Hik-Connect<br>*Wi-Fi connection with Hik-Connect directly is not possible.                                                                                               |
| <b>Wi-Fi</b>                |                                                                                                                                                                                      |
| Wi-Fi Protocols             | IEEE802.11b, 802.11g, 802.11n                                                                                                                                                        |
| Frequency Range             | 2.4 GHz to 2.4835 GHz                                                                                                                                                                |
| Channel Bandwidth           | 20/40 MHz                                                                                                                                                                            |
| Modulation                  | 802.11b: CCK, DQPSK, DBPSK<br>802.11g: OFDM/64-QAM, 16-QAM, QPSK, BPSK<br>802.11n: OFDM/64-QAM, 16-QAM, QPSK, BPSK                                                                   |
| Encryption Mode             | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK                                                                                                                                           |
| Transfer Rates              | 11b: 11 Mbps, 11g: 54 Mbps, 11n: up to 150 Mbps                                                                                                                                      |

| Interface                     |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| Communication Interface       | RJ45, self-adaptive 10M/100M Ethernet port                                          |
| On-board Storage              | support microSD/microSDHC/microSDXC cards, up to 256 GB                             |
| Alarm Input                   | 1 alarm input                                                                       |
| Alarm Output                  | 1 alarm output                                                                      |
| Audio Input                   | 1 built-in microphone, 1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%                    |
| Audio Output                  | 1 built-in speaker, 1 audio output, line level, impedance: 600 Ω                    |
| Power Output                  | 12 VDC, max. 60 mA                                                                  |
| Supplement Light              |                                                                                     |
| IR Distance                   | Up to 30 m                                                                          |
| General                       |                                                                                     |
| Power                         | 12 VDC, PoE (802.3at)                                                               |
| Power Consumption and Current | 14 W                                                                                |
| Operating Conditions          | Temperature: -10°C to 50°C (14°F to 122°F), Humidity: ≤ 90%                         |
| Reset                         | yes                                                                                 |
| Dimensions                    | Ø125 × 136.7 mm (Ø 4.92" × 5.38")                                                   |
| Weight                        | Approx. 650 g (1.4 lb.)                                                             |
| Approval                      |                                                                                     |
| Protection                    | IP54, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection |

### ▪ Available Model

DS-2DE2204IW-DE3/W(S6)(B)

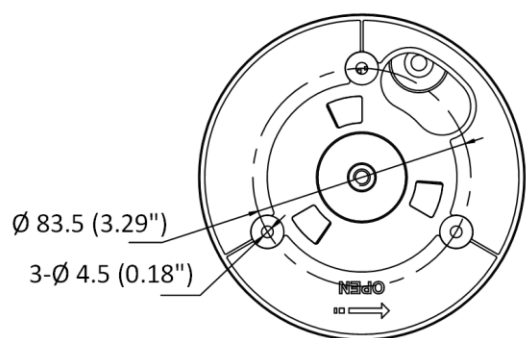
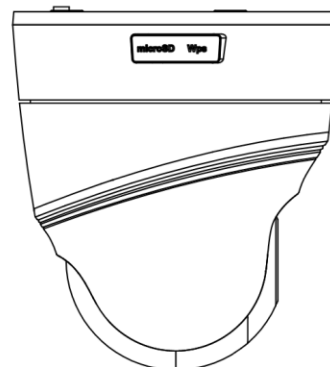
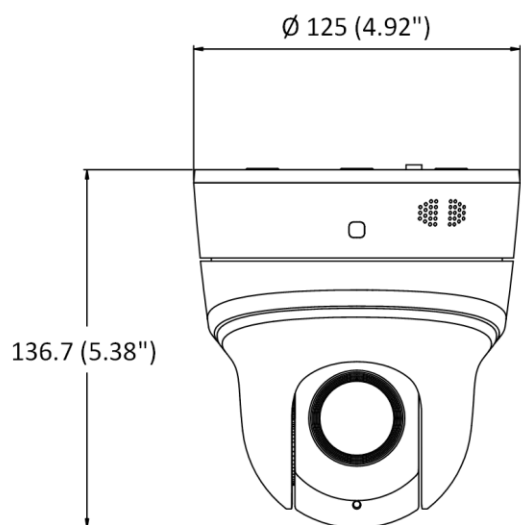
### ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top-level protection   | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.                                             |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.                                                                                                                                  |

## ▪ Dimension



Unit: mm (inch)

## ▪ Accessory

### ▪ Optional

DS-1294ZJ



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