# DS-2SE7C432IWG-K/4G/14(F0)
# 4 MP 32× IR Network Speed Dome

ColorVu



Hikvision DS-2SE7C432IWG-4G/14(F0) 4 MP 32 × IR Network Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 32 × optical zoom lens, the camera offers more details over expansive areas.
This series of cameras can be widely used for wide ranges of high-definition, such as rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.
Hikvision has been dedicated to develop products with security since established.
Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- Captures a large area and great details at the same time
- High quality imaging with 4 MP resolution
- Excellent low-light performance with ColorVu technology in bullet channel
- Secures an expansive area with 32 × optical zoom and 16 × digital zoom
- Supports WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus, rapid focus
- Expansive night view with up to 30 m IR distance in bullet channel, and 200 m IR distance in PTZ channel
- Supports 12 VDC output
- Supports scheduled sleep mode and low power sleep mode. The consumption reaches 0.5 W in sleep mode.

## ▪ Specification

| | |
|---|---|
| **Camera** | |
| Image Sensor | [Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS |
| Max. Resolution | [Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440 |
| Min. Illumination | [Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light;<br>[PTZ channel]: Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux @ (F1.5, AGC ON), 0 Lux with IR |
| Shutter Speed | 1 s to 1/30,000 s |
| Day & Night | ICR |
| Zoom | [PTZ channel] 32 × optical, 16 × digital |
| Slow Shutter | yes |
| **Lens** | |
| Focal Length | [Bullet channel] 2.8 mm, [PTZ channel] 5.9 to 188.8 mm mm |
| FOV | [Bullet channel] horizontal field of view: 108°, vertical field of view: 56°, diagonal field of view: 134°, [PTZ channel] horizontal field of view: 60.2° to 2.3°, vertical field of view: 35.2° to 1.3°, diagonal field of view: 67.4° to 2.6° |
| Focus | Auto,semi-auto,manual |
| Aperture | [Bullet channel]: F1.0; [PTZ channel]: F1.5 |
| Zoom Speed | [PTZ channel]: approx. 5.6 s |
| **Illuminator** | |
| Supplement Light Type | [Bullet channel] IR, [PTZ channel] IR |
| Supplement Light Range | [Bullet channel] IR: up to 30 m, [PTZ channel] IR: up to 200 m |
| Smart Supplement Light | Yes |
| **PTZ** | |
| Movement Range (Pan) | 360° |
| Movement Range (Tilt) | -15° to 90° |
| Pan Speed | Pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s |
| Tilt Speed | Tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s |
| Proportional Pan | Yes |
| Presets | 300 |
| Preset Freezing | Yes |
| Patrol Scan | 8 patrols, up to 32 presets for each patrol |
| Pattern Scan | 4 pattern scans, record time over 10 minutes for each scan |
| Park Action | Preset,patrol scan |
| 3D Positioning | Yes |
| PTZ Status Display | Yes |
| Scheduled Task | Preset,patrol scan,dome reboot,aux output,dome adjust |
| Power-off Memory | Yes |
| **Video** | |
| Main Stream | [Bullet channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720),[PTZ channel] 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 24 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) |

| | |
|---|---|
| Sub-Stream | [Bullet channel] 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288), 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240),[PTZ channel] 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288), 60 Hz: 24 fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | [Bullet channel] 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),[PTZ channel] 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288), 60 Hz: 24 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,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.264 Type | Baseline profile,Main profile,High profile |
| H.265 Type | Main profile |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 8 fixed regions for each stream |
| **Audio** | |
| Audio Compression | G.711,G.722.1,G.726,MP2L2,PCM,MP3,AAC-LC |
| Audio Bit Rate | 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 AAC-LC：16 kbps，32 kbps，64 kbps； MP3：8 kbps,16 kbps，24 kbps，32 kbps，40 kbps，48 kbps，56 kbps，64 kbps，80 kbps，96 kbps，112 kbps，128 kbps，144 kbps，160 kbps，192 kbps，224 kbps，256 kbps，320 kbps |
| Audio Sampling Rate | AAC-LC: 16 kHz, 32 kHz, 48 kHz,MP2L2: 16 kHz, 32 kHz, 48 kHz,PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz,MP3: 8 kHz, 16 kHz, 32 kHz, 48 kHz |
| Environment Noise Filtering | Yes |
| **Network** | |
| Protocols | TCP/IP,ICMP,HTTP,HTTPS,802.1X,QoS,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,UDP,IPv4/IPv6,IGMP,DHCP,Bonjour,WebSocket,WebSockets |
| Simultaneous Live View | 20 |
| API | ONVIF (Profile S, Profile G, Profile T),ISAPI,ISUP,SDK |
| User/Host | 32 |
| Security | Password protection,complicated password,HTTPS encryption,802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5),IP address filter |
| Network Storage | NAS (NFS，SMB/ CIFS), ANR |
| Client | iVMS-4200,Hik-Connect |
| Web Browser | IE 10+, Chrome 57+, Firefox 52+, Safari 12+ |
| **Wireless (Mobile Communication)** | |
| Mobile Communication Type | 4G |
| Frequency | |
| Standard | |
| **Image** | |
| Image Parameters Switch | Yes |
| Image Settings | Saturation, brightness, contrast, sharpness |

| | |
|---|---|
| Day/Night Switch | day, night, auto, scheduled-switch |
| Wide Dynamic Range (WDR) | 120 dB WDR |
| SNR | > 52dB |
| Defog | yes |
| Image Stabilization | EIS (Built-in gyroscope to improve EIS performance) |
| Image Enhancement | BLC, HLC, 3D DNR |
| Regional Focus | yes |
| Regional Exposure | yes |
| **Interface** | |
| Ethernet Interface | RJ45, self-adaptive 10M/100M Ethernet port |
| On-board Storage | Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB |
| Audio | 1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%,<br>1 output (line out), line level, output impedance: 600 Ω |
| Alarm | 2 input(s), 1 output(s) |
| Reset | yes |
| Power Output | 12 VDC, max. 1000 mA |
| **Event** | |
| Basic Event | [PTZ channel] motion detection, video tampering alarm,[PTZ channel & bullet channel] alarm input and output, exception |
| Smart Event | [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection |
| Linkage | [Bullet channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, and trigger recording, [PTZ channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan) |
| Smart Tracking | [PTZ channel] yes |
| Smart Linkage | Manual tracking, auto tracking, tracking takeover, track in turn |
| **Deep Learning Function** | |
| Face Capture | [Bullet channel] no,[PTZ channel] yes |
| **General** | |
| Power | 12 VDC ± 25%, max. 28 W,Typical power scenarios: 8.7 W (4G working); Standby scenarios: 7.7W (4G working); Sleep mode: 100 mW |
| Dimension | Ø 220 mm × 382.1 mm (Ø 8.66" × 15.04") |
| Weight | Approx. 6 kg (13.23 lb.) |
| Material | ADC12 |
| Operating Condition | -30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing) |
| General Function | mirror,password protection,watermark,IP address filter |
| Demist | Demist by heating the glass |
| **Battery** | |
| Battery Type | Lithium |
| Battery Voltage | 9 to 12.6 V |
| Capacity | 360 WH (90 WH for each battery) |
| Max. Charging Voltage | 12.6 V |
| Operating Temperature | Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F) |
| Cycle Lifetime | Performance mode: 1.5 days. Proactive mode: 2 days. Standby mode: 80 days *in cloudy/rainy days (25 °C) |

| | |
|---|---|
| Battery Life | More than 500 cycles |
| Battery Weight | Approx. 2.74 kg (6.0 lb.) (0.685 kg (1.5 lb.) for each battery) |
| **Approval** | |
| Protection | IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection |

## ▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

| DORI | Detect | Observe | Recognize | Identify |
|---|---|---|---|---|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| Distance (Tele) | 3060.0 m (10039.4 ft) | 1214.3 m (3983.9 ft) | 612.0 m (2007.9 ft) | 306.0 m (1004.0ft) |

## ▪ 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.

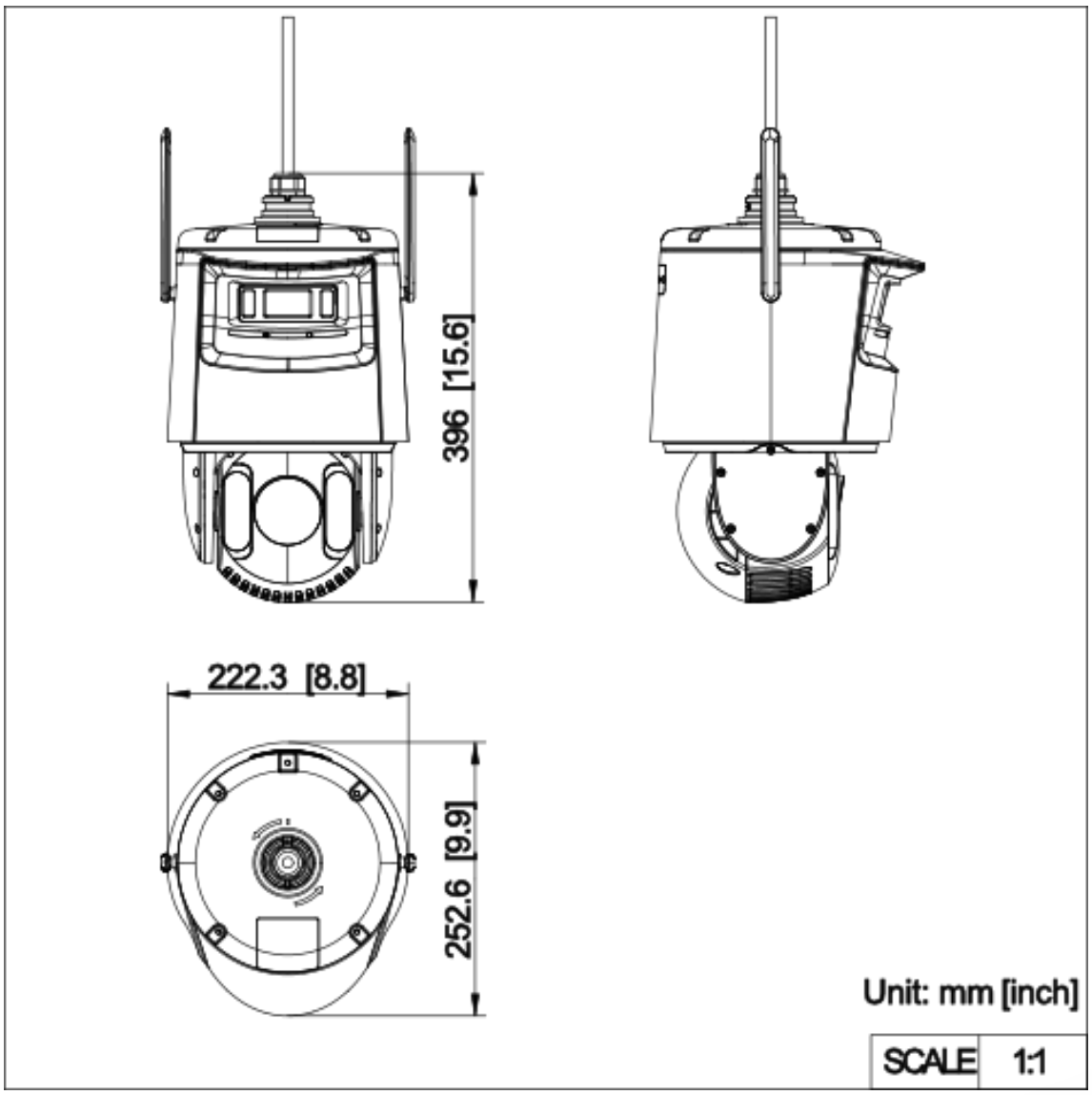
This model has NO SPECIFIC PROTECTION.

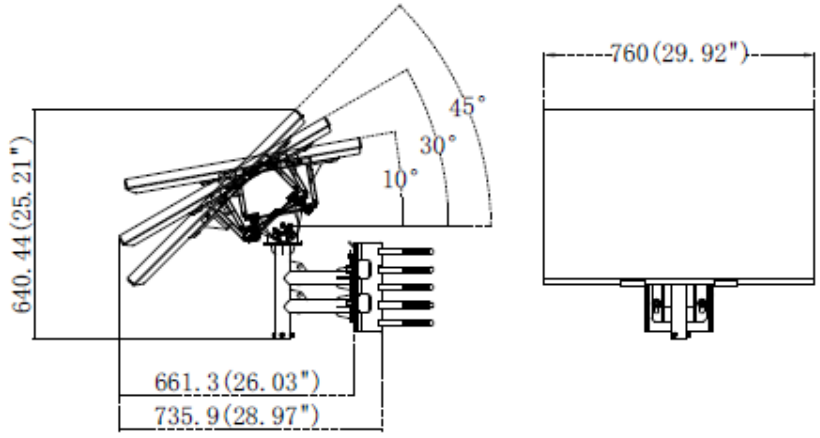
| Level | Description |
|---|---|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | Hikvision products 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. |

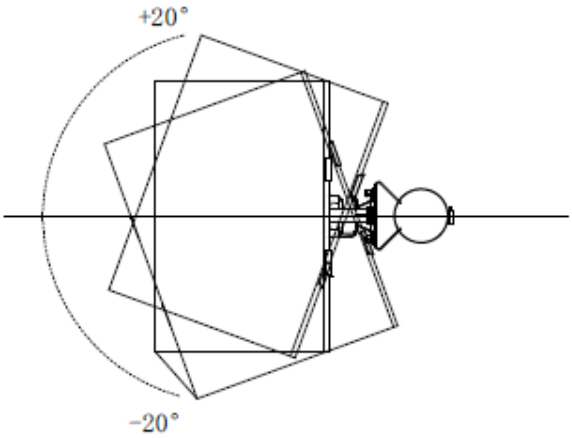
## ▪ Available Model

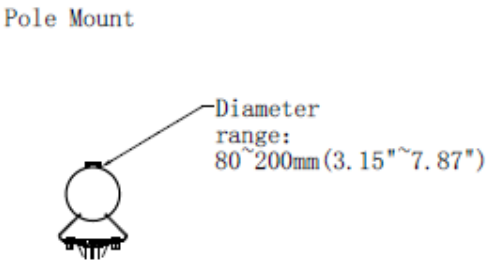
DS-2SE7C432IWG-K/4G/14(F0)
DS-2SE7C432IWG-K/4G/14(F0)(LA)
DS-2SE7C432IWG-K/4G/14(F0)(JP)

## ▪ Dimension


396 [15.6]
222.3 [8.8]
252.6 [9.9]
Unit: mm [inch]
SCALE 1:1

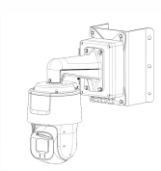
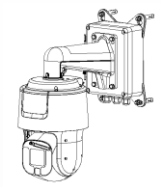
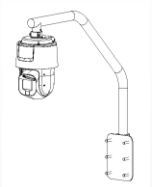


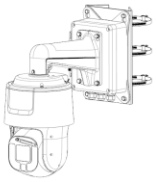
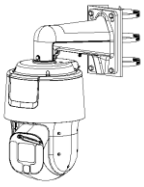
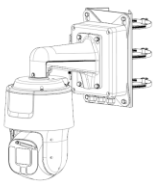
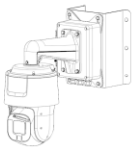
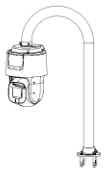



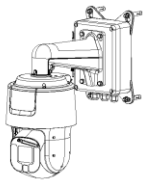
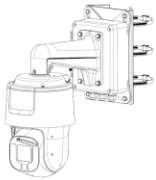
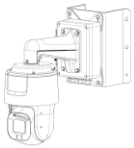
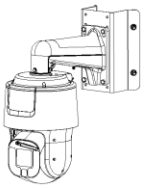




## ▪ Accessory

### ▪ Optional

| DS-1604ZJ-BOX-CORNER Wall mount | DS-1604ZJ-box Wall mount | DS-1604ZJ Wall mount | DS-1660ZJ Wall mount | DS-1661ZJ Pendant Mount |
|---|---|---|---|---|
|  |  |  |  |  |
|  |  |  |  |  |

| DS-1662ZJ<br>Pendant Mount | DS-1667ZJ<br>Pendant Mount | DS-1673ZJ<br>Horizontal pole mount | DS-1604ZJ-BOX-POLE<br>Vertical pole mount | DS-1684ZJ<br>Vertical pole mount |
|---|---|---|---|---|
|  |  |  |  |  |
|  |  |  |  |  |
| **DS-1604ZJ-pole**<br>**Vertical pole mount** | **DS-1663ZJ**<br>**In-ceiling mount** | **DS-1604ZJ-corner**<br>**Corner mount** | **DS-1619ZJ**<br>**Others** | **DS-1602ZJ**<br>**Wall mount** |
|  |  |  |  |  |
|  |  |  |  |  |
| **DS-1674ZJ**<br>**Junction box** | **DS-4650ZJ-WC**<br>**Vertical pole mount** | **DS-4660ZJ-WC**<br>**Corner mount** | **DS-1276ZJ**<br>**Corner mount** | |
|  |  |  |  | |

| | | | |
|---|---|---|---|
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