

DS-2CD6D24FWD-IZHS(B)**4-Directional Multisensor Network Camera**

- 4 adjustable lenses in one camera cover up to a 360° field of view, ensuring zero-blind zone monitoring
- the monitoring tilt angle can also be adjusted
- A built-in heater provides ultra-low temperature start-up to -40°C
- IP67/IK10 water resistant and vandal proof, preventing water ingress for outdoor use
- FC interface: the camera can be connected by fiber optical cable for the transfer of data over long distances
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements

▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.7" Progressive Scan CMOS |
| Max. Resolution | 1920 × 1080 |
| Min. Illumination | Color: 0.006 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON) 0 Lux with IR on |
| Shutter Time | 1 s - 1/100,000 s |
| Day & Night | IR Cut Filter |
| Angle Adjustment | Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355° |
| Lens | |
| Lens Type | Varifocal lens, motorized lens, 2.8 to 12 mm |
| Focal Length & FOV | 2.8 mm to 12 mm, Horizontal field of view: 30° to 96.3° Vertical field of view: 17° to 54° Diagonal field of view: 34° to 121° |
| Lens Mount | Ø14 |
| Focus | Manual, Semi-auto |
| Aperture | F1.6 |
| Illuminator | |
| Supplement Light Type | IR |
| Supplement Light Range | 10 m to 30 m |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 24 fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 24 fps (704 × 480, 640 × 480) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264 |
| 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 Support |
| Region of Interest (ROI) | Support 4 fixed region for each stream |
| Target Cropping | Yes |
| Audio | |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/AAC |
| Audio Bit Rate | 64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps(G.726)/32-192 Kbps(MP2L2)/16-64 Kbps(AAC) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |

| Network | |
|--------------------------|---|
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP |
| Simultaneous Live View | Up to 20 channels |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface |
| User/Host | Up to 32 users 3 levels: Administrator, Operator and User |
| Network Storage | Support Micro SD/SDHC/SDXC card (128 G), local storage and NAS (NFS,SMB/CIFS), ANR |
| Client | iVMS-4200 |
| Web Browser | IE8+, Chrome31-44, Firefox 30.0 - 51 |
| Image | |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, and white balance are adjustable by client software or web browser |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In (-S) |
| Wide Dynamic Range (WDR) | 120 dB |
| Image Enhancement | BLC, 3D DNR, EIS |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24bit bmp format |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M/1000 M Ethernet port 1 RS-485 interface (-S) |
| On-Board Storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| Audio | -S: 1-ch 3.5 mm input (line in/Mic in), 1-ch 3.5mm output, dual-track, stereo |
| Alarm | -S: 2 input, 2 output (up to 24 VD, 1A or 110 VAC, 500mA) |
| RS-485 | -S: 1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) |
| Reset Key | Yes |
| Fiber Optical | FC interface, single mode, single fiber, 20 km transmission distance, (Tx)1310 nm/1.25 G, (Rx)1550 nm/1.25 G |
| Event | |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Face detection, audio exception detection, scene change detection, defocus detection, audio exception detection, scene change detection, defocus detection |
| Linkage | Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture |
| General | |
| Power | 12 VDC ± 20%, 2.3 A, max. 28 W 24 VAC ± 20% (for customization), 2.5 A, max. 50 to 60 Hz, three-core terminal block -IZ, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, 0.9 A to 0.6 A, max. 34W -Z: PoE (802.3at), 42.5 VDC to 57 VDC, max. 17W |

| | |
|----------------------------------|--|
| Material | Aluminum alloy, engineering plastics |
| Dimension | Ø290 mm × 145.5 mm (Ø11.42" × 5.73") |
| Package Dimension | 453 mm × 393 mm × 385 mm (17.8" × 15.47" × 15.16") |
| Weight | Approx. 4.7 kg (10.3 lb.) |
| With Package Weight | Approx. 7.7 kg (16.8 lb.) |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). -H: -40 °C to 60 °C (-40 °F to 140 °F) Humidity 95% or less (non-condensing) |
| Language | 32 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil) |
| General Function | One-key reset, anti-flicker, mirror, heartbeat, password protection, privacy mask, watermark, IP address filter |
| Approval | |
| EMC | FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, EN50121-4 |
| Safety | UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005 |
| Environment | CE-RoHS: 2011/65/EU |
| Protection | IP67, IK10 |

▪ Available Model

DS-2CD6D24FWD-IZHS(2.8-12mm)(B)

▪ **Accessory**

▪ **Optional**

| DS-1604ZJ-corner Corner Mount | DS-1602ZJ Wall mount | DS-1663ZJ Ceiling Mount | DS-1604ZJ Wall Mount | DS-1661ZJ Pendant Mount |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-1673ZJ Vertical Pole Mount | | DS-1604ZJ-pole Vertical Pole Mount | | |
|  | |  | | |

DRAFT

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