

DS-2CD2H55FWD-IZS

5 MP IR Varifocal Turret Network Camera



Key Features

- 1/2.9" Progressive Scan CMOS
- 2944 × 1656 @20fps
- H.265, H.265+
- 120dB WDR
- IP66, IK10
- IR range: up to 30 m
- BLC/3D DNR/ROI/HLC
- Smart encoding: Support low bit rate
- 4 behavior analyses and face detection
- Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR



Specifications

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.9" Progressive Scan CMOS |
| Min. Illumination | Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | 120dB |
| 3-Axis Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360° |
| Lens | |
| Focal length | 2.8 to 12 mm |
| Lens Type | Motorized |
| Aperture | F1.4 |
| Focus | Auto |
| FOV | Horizontal field of view: 88° to 27° Vertical field of view: 48° to 16° Diagonal field of view: 104° to 32° |
| Lens Mount | Φ14 |
| IR | |
| IR Range | Up to 30 m |
| Wavelength | 850nm |
| Compression Standard | |
| Video Compression | Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264 |
| H.264 Type | Main Profile/High Profile |
| H.264+ | Main stream supports |
| H.265 Type | Main Profile |
| H.265+ | Main stream supports |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| Audio Compression | G722.1/G.711/G726/MP2L2/PCM/MP3 |
| Audio Bit Rate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3) |
| Smart Feature-set | |
| Smart Event | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |
| Linkage Method | Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, alarm output, Email |
| Region of Interest | Support 1 fixed region for main stream and sub stream |
| Image | |
| Max. Resolution | 2944 × 1656 |
| Main Stream | 50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) |

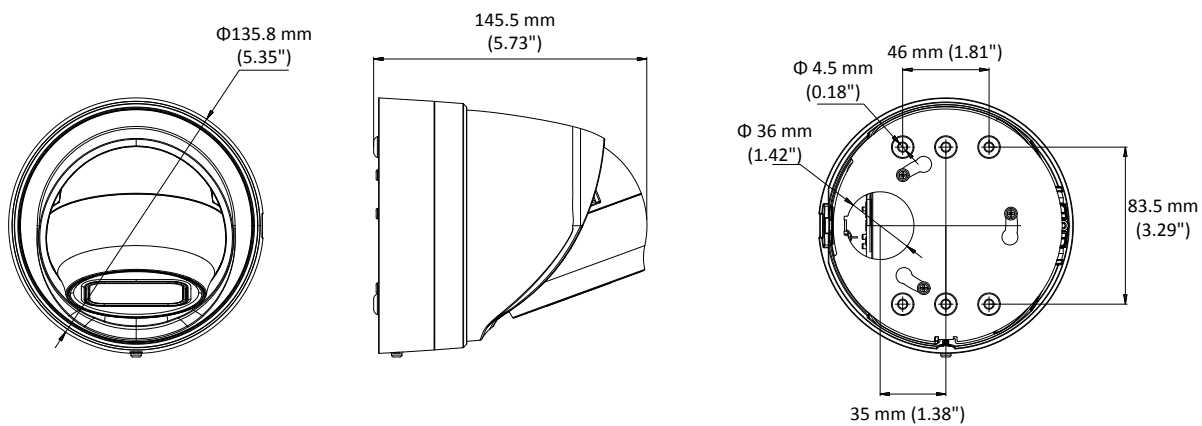
| | |
|--|--|
| | 60Hz: 20 fps (2944 × 1656), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub Stream | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) |
| Third Stream | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240) |
| Image Enhancement | BLC/3D DNR/HLC |
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In |
| *Note: When the main stream resolution is 2944 × 1656, max frame rate is 20 fps for all streams. | |
| Network | |
| Network Storage | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR |
| Protocols | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS |
| General Function | Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening |
| API | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users 3 levels: Administrator, Operator and User |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+ |
| Interface | |
| Audio | 1 input (line in, 3.5 mm), 1 output(3.5 mm), mono sound |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Alarm | 1 input, 1 output (max. 12 VDC, 30 mA) |
| Video Output | No |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| SVC | Support H.264 and H.265 encoding |
| Reset Button | Yes |
| Audio | |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8kHz/16kHz/32kHz/44.1kHz/48kHz |
| General | |
| Operating Conditions | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing) |
| Web Client 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) |
| Power Supply | 12 VDC ± 25%, PoE (802.3af) Terminal block for DC input |
| Power Consumption and Current | 12 VDC, 0.92A, max. 11W PoE (802.3af, 36V to 57V), 0.35A to 0.22A, max. 12.5W |

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| Protection Level | IP66, IK10 |
| Material | Metal |
| Dimensions | Φ 135.8 mm × 145.5 mm (Φ 5.35" × 5.73") |
| Weight | With Package: Approx. 1220 g (2.69 lb.) Camera: Approx. 1060 g (2.34 lb.) |

Available Model:

DS-2CD2H55FWD-IZS (2.8 to 12 mm)

Dimensions



Accessories



DS-1473ZJ-135
Wall Mount



DS-1471ZJ-135
Pendant Mount



DS-1281ZJ-DM23
Inclined Ceiling Mount



DS-1475ZJ-SUS
Vertical Pole Mount



DS-1476ZJ-SUS
Corner Mount



DS-1473ZJ-135B
Wall Mount with
Junction Box



DS-1473ZJ-135(Black)
Wall mount



DS-1471ZJ-135(Black)
Pendant mount



DS-1281ZJ-DM23(Black)
Inclined ceiling mount



DS-1475ZJ-SUS(Black)
Vertical pole mount



Distributed by

**HIKVISION®****Headquarters**

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Africa
T +27 (10) 0351172
sale.africa@hikvision.com

Hikvision Europe
T +31-23-55-42-770
info.eu@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Oceania
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Hong Kong
T +852-2151-1761

Hikvision Middle East
T +971-4-8816086
salesme@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Canada
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Russia
T +7-495-669-67-99
sateru@hikvision.com

Hikvision Poland
T +48-22-460-01-50
poland@hikvision.com

Hikvision Korea
T +82-31-731-8841
sales.korea@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision UK
T +01628-902140
support.uk@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com