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DS-2CD2555FWD-I(W)(S) 5 MP IR Fixed Mini Dome Network Camera



- High quality imaging with 5 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- -W: Wi-Fi connection
- -S: build-in microphone, audio and alarm interface available
- Water and dust resistant (IP66) and vandal proof (IK08)
- Mini size suitable for limited space.



▪ Specification

| Camera | |
|-----------------------------|--|
| Image Sensor | 1/2.9" Progressive Scan CMOS |
| Min. Illumination | Color: 0.028 lux @(F2.0, AGC ON), 0 lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Day & Night | IR Cut Filter |
| Wide Dynamic Range | 120 dB |
| Angle Adjustment | Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360° |
| DNR | 3D DNR |
| Lens | |
| Lens | 2.8, 4, 6 mm |
| Aperture | F2.0 |
| FOV | 2.8 mm: horizontal FOV: 97°, vertical FOV: 54°, diagonal FOV: 113° 4 mm: horizontal FOV: 78°, vertical FOV: 42°, diagonal FOV: 92° 6 mm: horizontal FOV: 60°, vertical FOV: 33°, diagonal FOV: 71° |
| Lens Mount | M12 |
| Illuminator | |
| IR Range | Up to 10 m |
| Wavelength | 850 nm |
| Video | |
| 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: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240) |
| Third Stream | 50Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30 fps (1280 × 720, 640 × 360, 352 × 240) |
| 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.265 Type | Main Profile |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| SVC | Support H.264 and H.265 encoding |
| Audio | |
| Audio Compression | G722.1/G711/G726/MP2L2/PCM |
| Audio Bit Rate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2) |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8kHz/16kHz/32kHz/44.1kHz/48kHz |
| Smart Feature-Set | |
| Behavior Analysis | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection |

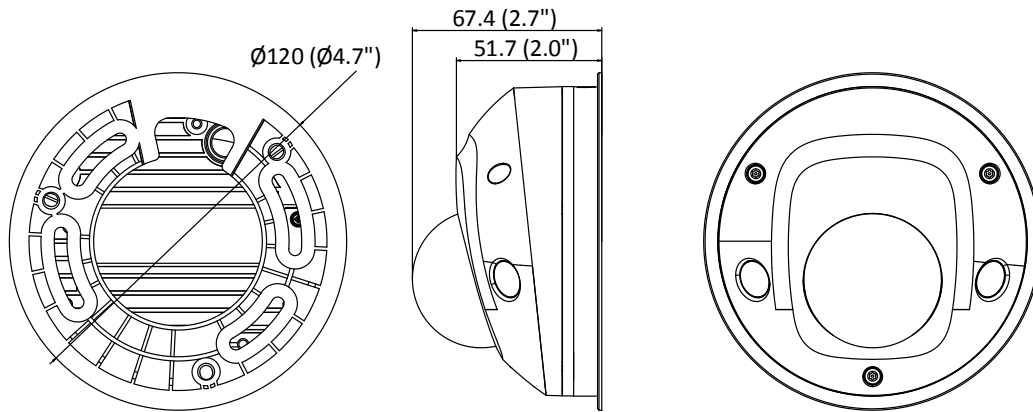
| | |
|----------------------------------|--|
| Region of Interest | Support 1 fixed region for main stream and sub-stream separately |
| Image | |
| Image Enhancement | BLC/3D DNR/HLC |
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In (-S) |
| Wi-Fi | |
| Frequency | 2.412 GHz to 2.4835 GHz |
| Channel Bandwidth | 20 MHz/40 MHz |
| Security | WPA, WPA2 |
| Transfer Rate | 11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps |
| Wireless Range | Up to 50 m (The performance varies based on actual environment) |
| Wireless Standards | IEEE 802.11b/g/n |
| Network | |
| Network Storage | Support Micro SD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users. 3 levels: administrator, operator and user |
| Client | Wired network: Hik-Connect, iVMS-4200, Hik-Central Wi-Fi: iVMS-4200, Hik-Central |
| Web Browser | Plug-in required live view: IE 8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ |
| Alarm Trigger | Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, illegal login |
| Interface | |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Audio | 2 Inputs: Line in or Mic in (built-in microphone) 1 Output: Line out, mono sound, terminal block |
| Alarm | 1 input, 1 output (max. 12 VDC, 30 mA), terminal block |
| On-board Storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| General | |
| Firmware Version | V5.6.5 |
| Reset | Yes |
| Startup and Operating Conditions | -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 25%, PoE (802.3af, class 3) |
| Power Consumption and Current | 12 VDC, 0.7 A, max. 7.5 W; PoE (802.3af, 36 V to 57 V), 0.3 A to 0.1 A, max. 9.5 W |
| Material | Front cover: plastic; bottom base: metal |
| Dimensions | Ø110 mm × 56.4 mm (Ø4.33" × 2.22") |
| Weight | Camera: Approx. 400 g (0.88 lb.) |
| Approval | |
| Protection | Ingress protection: IP66 (IEC 60529-2013), IK08 (IEC 60529-2013) |

| Compression Standard | |
|----------------------|------------------------|
| H.264+ | Main stream supports |
| H.265+ | Main stream supports |
| Smart Feature-set | |
| Face Detection | Yes |
| Exception Detection | Scene change detection |

▪ Available Model

- DS-2CD2555FWD-I (2.8 mm, 4 mm, 6 mm)
- DS-2CD2555FWD-IS (2.8 mm, 4 mm, 6 mm)
- DS-2CD2555FWD-IW (2.8 mm, 4 mm, 6 mm)
- DS-2CD2555FWD-IWS (2.8 mm, 4 mm, 6 mm)

▪ Dimension



Unit: mm (inch)

▪ Accessory



DS-1275ZJ-SUS
Vertical Pole Mount



DS-1272ZJ-120B
Wall Mount



DS-1271ZJ-120
Pendant Mount



DS-1280ZJ-DM46
Junction Box



DS-1272ZJ-120
Wall Mount



DS-1276ZJ-SUS
Corner Mount



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