

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



### Key Features

- 2944 × 1656@20fps
- IR: Up to 10 m
- H.265+. H.265
- 120dB WDR
- Built-in Micro SD/SDHC/SDXC slot, up to 128G
- PoE
- EXIR
- Wi-Fi (Optional)



## Specifications

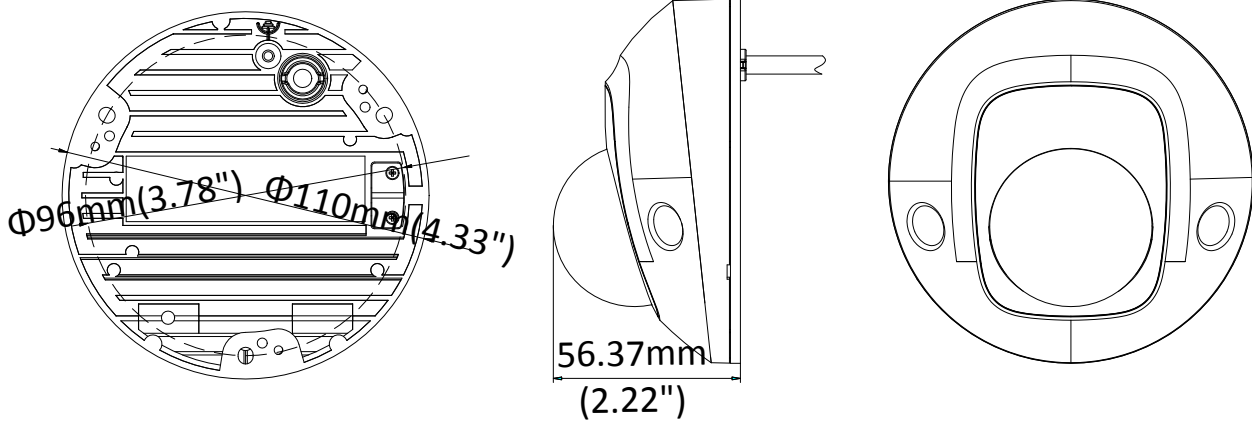
| <b>Camera</b>               |                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.9" Progressive Scan CMOS                                                                                                                                                                                                                                                                       |
| Min. Illumination           | Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR; 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                                                                                                                                                                                                                                                                                      |
| Digital Noise Reduction     | 3D DNR                                                                                                                                                                                                                                                                                             |
| WDR                         | 120dB                                                                                                                                                                                                                                                                                              |
| 3-Axis Adjustment           | Pan: -30° to +30°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                                                                                                                                                                             |
| <b>Lens</b>                 |                                                                                                                                                                                                                                                                                                    |
| Focal length                | 2.8, 4, 6 mm                                                                                                                                                                                                                                                                                       |
| Aperture                    | F2.0                                                                                                                                                                                                                                                                                               |
| FOV                         | 2.8 mm: Horizontal field of view: 97°, Vertical field of view: 54°, Diagonal field of view: 113°<br>4 mm: Horizontal field of view: 78°, Vertical field of view: 42°, Diagonal field of view: 92°<br>6 mm: Horizontal field of view: 60°, Vertical field of view: 33°, Diagonal field of view: 71° |
| Lens Mount                  | M12                                                                                                                                                                                                                                                                                                |
| <b>IR</b>                   |                                                                                                                                                                                                                                                                                                    |
| IR Range                    | Up to 10 m                                                                                                                                                                                                                                                                                         |
| Wavelength                  | 850nm                                                                                                                                                                                                                                                                                              |
| <b>Compression Standard</b> |                                                                                                                                                                                                                                                                                                    |
| Video Compression           | Main stream: H.265/H.264<br>Sub stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264                                                                                                                                                                                                             |
| H.264 Type                  | Main Profile/High Profile                                                                                                                                                                                                                                                                          |
| H.264+                      | Yes                                                                                                                                                                                                                                                                                                |
| H.265 Type                  | Main Profile                                                                                                                                                                                                                                                                                       |
| H.265+                      | Yes                                                                                                                                                                                                                                                                                                |
| Video Bit Rate              | 32 Kbps to 16 Mbps                                                                                                                                                                                                                                                                                 |
| Audio Compression           | G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM                                                                                                                                                                                                                                                            |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)                                                                                                                                                                                                                                      |
| <b>Smart Feature-set</b>    |                                                                                                                                                                                                                                                                                                    |
| Behavior Analysis           | Line crossing detection, intrusion detection, unattended baggage detection, object removal detection                                                                                                                                                                                               |
| Face Detection              | Yes                                                                                                                                                                                                                                                                                                |
| Region of Interest          | Support 1 fixed region for main stream and sub-stream separately                                                                                                                                                                                                                                   |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                                    |
| Max. Resolution             | 2944 × 1656                                                                                                                                                                                                                                                                                        |
| Main Stream                 | 50Hz: 20fps (2944 × 1656), 25fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 20fps (2944 × 1656), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)                                                                                                                                                 |
| Sub Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)                                                                                                                                                                                                     |
| Third Stream                | 50Hz: 25fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 240)                                                                                                                                                                         |
| Image Setting               | Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser                                                                                                                                                                                              |

|                               |                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Image Enhancement             | BLC/3D DNR                                                                                                                     |
| Day/Night Switch              | Auto/Schedule/Day/Night/Triggered by Alarm In                                                                                  |
| <b>Network</b>                |                                                                                                                                |
| Network Storage               | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR                                              |
| Alarm Trigger                 | Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, illegal login               |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, QoS, IPv6               |
| General Function              | One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter |
| API                           | ONVIF (PROFILE S, PROFILE G), ISAPI                                                                                            |
| Simultaneous Live View        | Up to 6 channels                                                                                                               |
| User/Host                     | Up to 32 users<br>3 levels: Administrator, Operator and User                                                                   |
| Client                        | iVMS-4200, Hik-Connect, iVMS-5200                                                                                              |
| Web Browser                   | IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+                                                                             |
| <b>Interface</b>              |                                                                                                                                |
| Audio (-S model)              | 2 Inputs: Line in (3.5 mm) or Mic in (built-in microphone), 1 Output: Line out (3.5 mm), mono sound                            |
| Alarm (-S model)              | 1 Input: Alarm in (3.5mm), 1 Output: Alarm out (3.5mm)                                                                         |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                    |
| On-board storage              | Built-in Micro SD/SDHC/SDXC slot, up to 128G                                                                                   |
| SVC                           | Support H.264 and H.265 encoding                                                                                               |
| <b>Wi-Fi</b>                  |                                                                                                                                |
| Wireless Standards            | IEEE 802.11b/g/n                                                                                                               |
| Frequency Range               | 2.412 GHz to 2.4835 GHz                                                                                                        |
| Channel Bandwidth             | 20M/40M                                                                                                                        |
| Protocols                     | 802.11b: DQPSK, DBPSK, CCK<br>802.11g/n: OFDM /64-QAM,16-QAM, QPSK, BPSK                                                       |
| Security                      | WPA, WPA2                                                                                                                      |
| Transfer Rates                | 11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps                                                                                   |
| Wireless Range                | 50 m                                                                                                                           |
| <b>Audio</b>                  |                                                                                                                                |
| Environment Noise Filtering   | Yes                                                                                                                            |
| Audio Sampling Rate           | 16 kHz, 32kHz, 44.1kHz, 48kHz                                                                                                  |
| <b>General</b>                |                                                                                                                                |
| 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, 0.625A, max. 7.5W<br>PoE (802.3af, 36V to 57V), 0.26 A to 0.17 A, max. 9.5W                                            |
| Protection Level              | IK08, IP66<br>TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection                                |
| Material                      | Front cover: plastic , Bottom base: metal                                                                                      |
| Dimensions                    | Φ110 mm × 56.4 mm (Φ4.33" × 2.22")                                                                                             |
| Weight                        | Camera: Approx. 400 g (0.88 lb.)                                                                                               |

## Available Models:

DS-2CD2555FWD-I, DS-2CD2555FWD-IS, DS-2CD2555FWD-IW, DS-2CD2555FWD-IWS

## Dimensions



## Accessories



DS-1280ZJ-DM22

Junction Box

Distributed by



## HIKVISION®

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