

## 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
<b>Image</b>	
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)
<b>Wi-Fi</b>	
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
<b>Network</b>	
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
<b>Interface</b>	
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
<b>General</b>	
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.)
<b>Approval</b>	
Protection	Ingress protection: IP66 (IEC 60529-2013), IK08 (IEC 60529-2013)

## Compression Standard

H.264+	Main stream supports
H.265+	Main stream supports

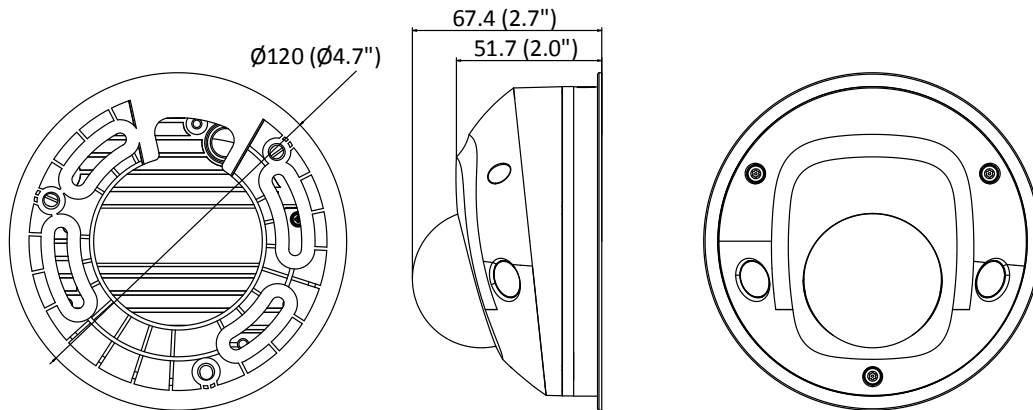
## Smart Feature-set

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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