DS-2CD2525FWD-I(W)(S)
2 MP IR Fixed Mini Dome Network Camera





- High quality imaging with 2 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- -W: Wi-Fi connection
- -S: built-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	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.009 lux @(F1.6, AGC ON), 0 lux with IR on
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	120 dB
Day & Night	IR Cut Filter
Angle Adjustment	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Focus	Fixed
Lens Type	2.8, 4, 6 mm
FOV	2.8 mm: horizontal FOV: 108°, vertical FOV: 59°, diagonal FOV: 129° 4 mm: horizontal FOV: 87°, vertical FOV: 45°, diagonal FOV: 102° 6 mm: horizontal FOV: 53°, vertical FOV: 29°, diagonal FOV: 60°
Aperture	F1.6
Lens Mount	M12
Illuminator	
IR Range	Up to 10 m
Wavelength	850 nm
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 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 (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288) 60Hz: 30 fps (1920 × 1080, 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
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Scalable Video Coding (SVC)	Support H.264 and H.265 encoding
Region of Interest (ROI)	Support 1 fixed region for main stream and sub-stream separately
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16kHz/32kHz/44.1kHZ/48kHz
Audio Compression	G722.1/G711/G726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Network	
Simultaneous Live View	Up to 6 channels

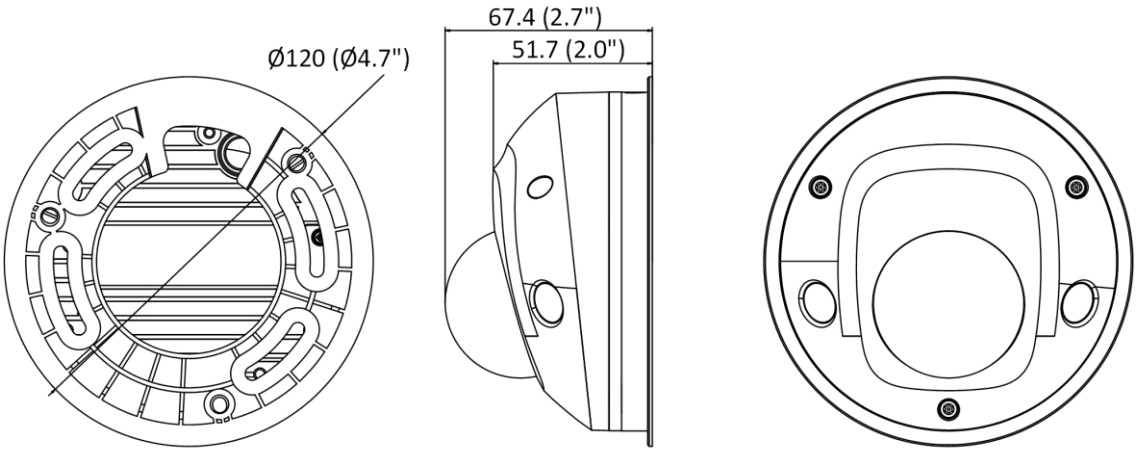
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
User/Host	Up to 32 users. 3 levels: administrator, operator and user
Security	Password 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
Network Storage	Support Micro SD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Client	Wired network: Hik-Connect, iVMS-4200, Hik-Central Wi-Fi: iVMS-4200, Hik-Central *Wi-Fi connection with Hik-Connect directly is not possible.
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, illegal login
Wi-Fi	
Encryption Mode	-W: WPA, WPA2
Wi-Fi Protocol	-W: IEEE 802.11b/g/n
Frequency Range	-W: 2.412 GHz to 2.4835 GHz
Channel Bandwidth	-W: 20 MHz
Transfer Rate	-W: 11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps
Wireless Range	-W: Up to 50 m (The performance varies based on actual environment)
Image	
Day/Night Switch	Day/Night/Auto/Schedule/ Triggered by Alarm In (-S)
DNR	3D DNR
Image Enhancement	BLC/3D DNR/HLC
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Interface	
Audio	-S: 2 inputs: line in or mic in (built-in microphone) 1 output: line out, mono sound, terminal block
Alarm	-S: 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
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
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, unattended baggage detection, object removal detection
Face Detection	Yes
Exception Detection	Scene change detection
General	
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
Firmware Version	V5.6.5
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)
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
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
Camera Dimension	Ø120 mm × 67.4 mm (Ø4.7" × 2.7")
Camera Weight	Camera: approx. 400 g (0.88 lb.)
Approval	
Protection	Ingress protection: IP66 (IEC 60529-2013), IK08 (IEC 60529-2013)

▪ Available Model

DS-2CD2525FWD-I (2.8/4/6 mm)
DS-2CD2525FWD-IS (2.8/4/6 mm)
DS-2CD2525FWD-IW(2.8/4/6 mm)
DS-2CD2525FWD-IWS(2.8/4/6 mm)

▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1275ZJ-SUS Vertical Pole Mount	DS-1272ZJ-120 Wall Mount	DS-1276ZJ-SUS Corner Mount	DS-1280ZJ-DM46 Junction Box	DS-1271ZJ-120 Pendant Mount
				

DS-1272ZJ-120B Wall Mount


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