

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



### Key Features

- 1920 × 1080@30fps
- IR range: up to 10 m
- H.265+. H.265, H.264+, H.264
- 120dB WDR
- Built-in Micro SD/SDHC/SDXC slot, up to 128G
- PoE
- Powered by Darkfighter
- BLC/3D DNR/HLC/ROI
- Wi-Fi (Optional)
- IP66, IK08
- Color: 0.005 Lux @(F1.2, AGC ON), 0 Lux with IR;  
Color: 0.009 lux @(F1.6, AGC ON), 0 lux with IR



## Specifications

<b>Camera</b>	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR Color: 0.009 lux @(F1.6, 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	F1.6
Focus	Fixed
FOV	2.8 mm: horizontal field of view: 108°, vertical field of view: 59°, diagonal field of view: 129° 4 mm: horizontal field of view: 87°, vertical field of view: 45°, diagonal field of view: 102° 6 mm: horizontal field of view: 53°, vertical field of view: 29°, diagonal field of view: 60°
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 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 (-S)	G.711/G.722.1/G.726/MP2L2/PCM/ MP3
Audio Bit Rate (-S)	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)
<b>Smart Feature-set</b>	
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 (-S), Email
Region of Interest	Support 1 fixed region for main stream and sub-stream separately
<b>Image</b>	
Max. Resolution	1920 × 1080
Main Stream	50Hz:25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)

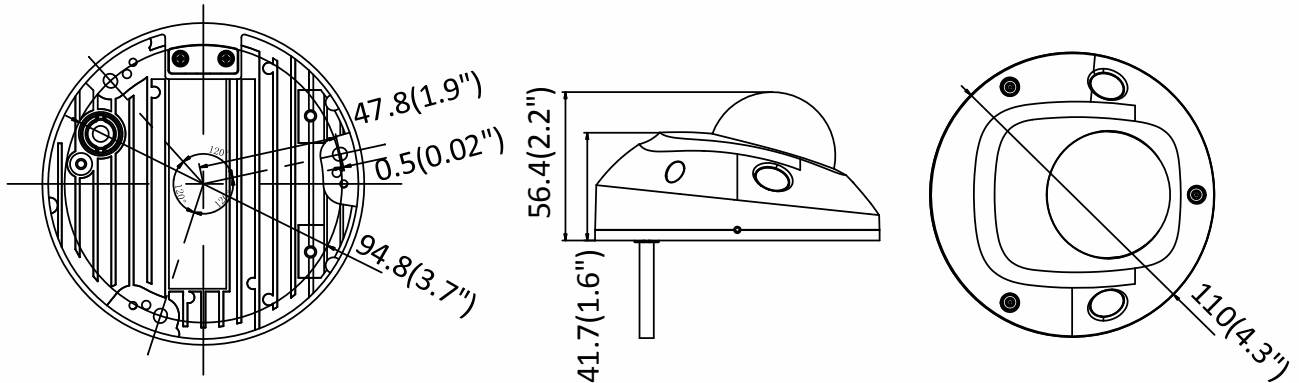
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 240)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser
Image Enhancement	BLC/3D DNR/HLC
Day/Night Switch	Day/Night/Auto/Schedule/ Triggered by Alarm In (-S)
<b>Network</b>	
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, Ehome
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+
<b>Interface</b>	
Audio (-S model)	2 Inputs: Line in or Mic in (built-in microphone), 1 Output: Line out, mono sound, terminal block
Alarm (-S model)	1 input, 1 output (max. 12 VDC, 30 mA), terminal block
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
Reset Button	Yes
<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 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	8kHz/16kHz/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)

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 $\pm$ 25%, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.6 A, max. 7.5 W PoE (802.3af, 36 V to 57 V), 0.26 A to 0.17 A, max. 9.5 W
Protection Level	IK08, IP66
Material	Front cover: plastic, Bottom base: metal
Dimensions	$\Phi$ 110 mm $\times$ 56.4 mm ( $\Phi$ 4.33" $\times$ 2.22")
Weight	Camera: Approx. 400 g (0.88 lb.)

## 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**



**Accessory**



**DS-1280ZJ-DM46**  
Junction Box



**DS-1280ZJ-DM46(Black)**  
Junction Box

Distributed by



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