

## DS-2CD2945FWD 4 MP Network Fisheye Camera



### Key Features

- Up to 4 megapixel high resolution
- 1920×1920 @30fps
- H.265, H.265+, H.264+, H.264
- Support 14 display modes
- FOV: horizontal field of view 360°, vertical field of view 360°
- Dual video streams
- Digital Noise Reduction
- DC12V & PoE (802.3af)
- Mobile Monitoring via Hik-Connect



## Specification

<b>Camera</b>	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.01Lux @ (F1.2, AGC ON), 0.034Lux @ (F2.2, AGC ON), 0 Lux with IR on
Shutter Speed	1/3 s to 1/100,000 s
Lens	1.05 mm @ F2.2, horizontal field of view: 180°, vertical field of view: 180°
Lens Mount	M12
Day & Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic Range	120 dB
<b>Compression Standard</b>	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.264+	Support
H.265 Type	Main Profile
H.265+	Support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression (-S)	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate (-S)	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
<b>Image</b>	
Max. Resolution	1920 × 1920
Main Stream Max. Frame Rate	50Hz: 25fps (1920 × 1920, 1536 × 1536, 960 × 960) 60Hz: 30fps (1920 × 1920, 1536 × 1536, 960 × 960)
Sub-Stream Max. Frame Rate	50Hz: 25fps (352 × 288, 704 × 576) 60Hz: 30fps (352 × 240, 704 × 576)
Image Settings	Saturation, brightness, contrast, and sharpness are adjustable via client software or web browser
Image Enhancement	WDR/3D DNR/Backlight Compensation/Defog
Day/Night Switch	Auto/Schedule/Triggered by Alarm In (-S model supports)
Region of Interest	Support 1 fixed region for main stream and sub-stream
Lens Distortion Correction	Support
<b>Live View Display</b>	
Mount Type	Support table, wall, and ceiling
Display Mode	Support 14 display modes in total (including display modes of different mount types): Fisheye View, 180 Panorama View, 4PTZ, Fisheye + 3PTZ, 360 Panorama View, 360 Panorama + PTZ, 360 Panorama + 3PTZ, 360 Panorama + 6PTZ, 360 Panorama + 8PTZ, 2PTZ, Fisheye + 8PTZ, Panorama View, Panorama + 3PTZ, Panorama + 8PTZ
<b>Network</b>	
Network Storage	NAS (Support NFS,SMB/CIFS), built-in microSD/SDHC/SDXC card slot, up to 128 G, ANR
Alarm Trigger	Video tampering alarm, HDD full, HDD error, network disconnected, IP address conflicted, illegal login
Detection	Motion detection, dynamic analysis, intrusion detection, line crossing detection
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, WebSocket, WebSockets
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI

General Function	One-key reset, anti-flicker, password protection, privacy mask, IP Address filtering, heartbeat, watermark
Firmware Version	V5.5.52
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio (-S)	N/A
Alarm (-S)	N/A
On-board Storage	N/A
<b>General</b>	
Operating Conditions	-10 °C to +50 °C (-14 °F to +122 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7.5 W
IR Range	N/A
Protection	Ip67, IK10
Dimensions	Φ 119.9 × 41.2 mm (Φ 4.72" × 1.62")
Weight	600 g (1.32 lbs.)

## Available Model

DS-2CD2945FWD (1.05 mm)

### ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance.

Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.



Distributed by

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