

# DS-2CD2542FWD-IS Series

## 4 MP WDR Mini Dome Network Camera



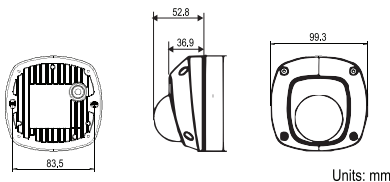
### Key Features

- 4 MP High Resolution
- Full HD1080p
- Dual Video Streams
- 2.8 mm, 4 mm, 6 mm Fixed Lens Options
- 120 dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 3-Axis Adjustment
- 12 VDC and PoE
- Supports H.264+
- Up to 10 Meters IR Range
- IP67 Weatherproof Protection
- IK08 Vandal Resistant
- Built-In Microphone, Audio Output, Alarm I/O
- Wireless Option (-IWS)

### Accessories



### Dimensions



### Order Model

DS-2CD2542FWD-IS

DS-2CD2542FWD-IWS, WiFi

### DS-2CD2542FWD-IS Series

Camera	
Image Sensor	1/3" progressive scan CMOS
Minimum Illumination	0.01 lux @ (f/1.2, AGC on), 0 lux with IR 0.028 lux @ (f/2.0, AGC on), 0 lux with IR
Shutter Speed	1/3 s to 1/10,000 s
Lens	2.8 mm, 4 mm, 6 mm @ f/2.0
Angle of View	106° (2.8 mm), 83° (4 mm), 55.4° (6 mm)
Lens Mount	M12
Day/Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic Range	120 dB
Angle of Adjustment	Pan: -30° to 30°, tilt: 0 to 75°, rotation: 0 to 360°
Compression Standard	
Video Compression	H.264/MJPEG/H.264+
H.264 Type	Main profile
Video Bit Rate	32 Kbps to 16 Mbps
Dual Streams	Supported
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 128 Kbps (MP2L2)
Image	
Maximum Resolution	2688 × 1520
Frame Rate	20 fps (2688 × 1520), 30 fps (1920 × 1080), 30 fps (1280 × 720)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or Web browser
BLC	Supported, zone configurable
ROI Codec	Supported
Network	
Network Storage	NAS (supports NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General	One-key reset, flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, anonymous access
Standard Interface	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Communication Interface	1 R-J45 10M/100M Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Alarm Interface	1x alarm I/O
Audio Interface	Built-in microphone and 1x audio output
Reset	Yes
Wi-Fi (-W models only)	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20/40 MHz support
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17 ±1.5 dBm @ 11 Mbps 11g: 14±1.5 dBm @ 54 Mbps 11n: 12.5±1.5 dBm
Reception Sensitivity	11b: -90 dBm @ 11 Mbps (typical) 11g: -75 dBm @ 54 Mbps (typical) 11n: -74 dBm (typical)
Transfer Rates	11b: 11 Mbps, 11g: 54 Mbps, 11n: up to 150 Mbps
Wireless Range	50 meters *The performance varies based on actual environment.
General	
Operating Conditions	-30° C to 60° C (-22° F to 140° F), humidity 95% or less (non-Power Supply)
Power Supply	12 VDC ±10%, PoE (802.3af)
Power Consumption	Maximum 5 W, maximum 9 W with pan and tilt
IR Range	Approximately 10 meters
Ingress Protection	IP67
Impact Protection	IEC60068-275Eh, 20J; EN50102, up to IK08
Dimensions	99.3 mm × 96.7 mm × 52.8 mm (3.91" x 3.81" x 2.08")
Weight	600 g (1.32 lbs)