

# DS-2CD2F42FWD-I (W)(S) 4MP WDR Mini PT Network Camera



## Specification

<b>Camera</b>	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ F1.2, AGC ON , 0.028Lux @ F2.0, AGC ON, 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Lens	2.8mm, 4mm, 6mm @ F2.0 angle of view: 106°(2.8mm), 83°(4mm), 55.4°(6mm)
Lens Mount	M12
Day &Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic	120dB
P&T rotation	Pan: -90° ~ 90°, Tilt: 0° ~ 75°
<b>Compression Standard</b>	
Video	H.264 / MJPEG/H.264+
H.264 Type	Main Profile
Video Bit Rate	32 Kbps ~ 16 Mbps
Dual streams	Support
<b>Image</b>	
Max. Resolution	2688 × 1520
Max Frame Rate	50Hz: Main stream: 20fps (2688 × 1520), 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: Main stream: 20fps (2688 × 1520), 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720) 50Hz: Sub stream: 25fps(352×288), 25fps(640×360) 60Hz: Sub stream: 30fps(352×240), 30fps(640×360)
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
BLC	Support, zone configurable
ROI Codec	Support
<b>Network</b>	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Detection	Intrusion detection, Line crossing detection, Motion detection, Dynamic analysis
Face Detection	Detects the face appears in the surveillance scene and triggers linkage methods such as alarm info and email info
Alarm Trigger	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	Anti-Flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI
<b>Interface</b>	
Communication	1 RJ45 10M/100M Ethernet port
On-board	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB *SD card not included
Alarm interface	1x alarm I/O *only for -S models
Audio interface	1x audio I/O *only for -S models
Reset	Yes

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## Wi-Fi \* only for -W models

Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	20/40MHz Support
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50 meters *The performance varies based on actual environment.

## General

Operating Conditions	-10 °C ~ 40 °C (-14 °F – 104 °F), Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 25%, PoE (802.3af Class3)
Power Consumption	Max. 5W (Max. 7 W with IR cut filter on, max. 9W with pan & tilt rotation)
Material	Top Cover: Plastic ; Base: Metal
IR Range	Approx. 10 meters
Dimensions	Φ119.93 × 87.08mm
Weight	500g (1.1lbs)

## Order Models

DS-2CD2F42FWD-I, DS-2CD2F42FWD-IS, DS-2CD2F42FWD-IW, DS-2CD2F42FWD-IWS  
-S: Audio/Alarm IO, -W: Built-in Wi-Fi