

## DS-2CD2422FWD-IW

### 2 MP WDR Network Cube Camera



- 1/2.7" Progressive Scan CMOS
- Up to 2 MP High Resolution
- 2.8 mm/4 mm Fixed Lens Options
- Passive Infrared Detection Supported
- 120dB WDR
- BLC, 3D DNR, ROI
- Up to 30 ft (10 m) IR Range
- MicroSD Card Slot Supports 128 GB
- Built-In Wi-Fi
- Built-In Microphone and Speaker
- 12 VDC and PoE (802.3af)

Hikvision's DS-2CD2422FWD-IW Network Cube Camera supports the fastest built-in wi-fi technology for wireless video management. 2.8 mm and optional 4 mm lenses provide an IR range of up to 100 ft (30 m) for optimal nighttime viewing, which is aided by passive infrared detection. Additionally, a built-in microphone and speaker facilitates two-way audio functionality.

**Available models:**  
DS-2CD2422FWD-IW



# Specifications

## DS-2CD2422FWD-IW

### Camera

Image Sensor	1/2.7" progressive scan CMOS
Minimum Illumination	0.01lux @ (F1.2, AGC ON) , 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Lens	2.8 mm, horizontal field of view 115.6° [4 mm (88.9°), optional]
Lens Mount	M12
Day & Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
WDR	120 dB

### Compression Standard

Video Compression	H.264+ / H.264 / MJPEG
H.264 Type	Baseline profile / main profile
Video Bit Rate	32 Kbps to 8 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	1920 × 1080
Maximum Frame Rate	Main stream:30 fps (1920 × 1080), 30 fps (1280 × 960), 30 fps (1280 × 720); sub stream: 30 fps (352 × 240),30 fps (640 × 360)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Day / Night Switch	Supports auto, scheduled, and alarm input triggered modes
Others	Mirror, WDR, BLC, ROI

### Network

Network Storage	Supports microSD / SDHC / SDXC card (up to 128 GB) local storage, NAS (NFS,SMB/CIFS),and ANR
Detection	Intrusion detection, line crossing detection, motion detection, dynamic analysis
Alarm Trigger	Tampering alarm, HDD Full, HDD Error, network disconnected, IP address conflicted, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
General Function	One-key reset, anti-flicker, dual streams, heartbeat, password protection, privacy mask, watermark, IP address filtering
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI

### Interface

Communication Interface	1 RJ45 10M/100M Ethernet port
On-Board	Built-in microSD / SDHC / SDXC slot, up to 128 GB
Audio	1 built-in microphone, 1 built-in speaker
Alarm	1 alarm input, 1 alarm output
Reset	Yes

### Wi-Fi

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 @ 11Mbps (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	165 ft (50 m) (performance variations are based on actual environmental conditions)

### General

Operating Conditions	14° F to 104° F (-10° C to 40° C); humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3af)
Power Consumption	Maximum 5 W
PIR	Angle: 90°, range: 8 m
IR Range	30 ft (10 m)
Material	Plastic
Dimensions	2.85" × 3.62" × 5.17" (72.3 mm × 91.9 mm × 131.3 mm)
Weight	0.88 lbs (0.40 kg)

# Dimensions

