

DS-2CD2442FWD-IW 4.0 MP WDR Network Cube Camera



Key Features

- Up to 4.0 megapixel high resolution
- Two video streams
- 2.8mm/2mm/4mm fixed lens
- 120 dB Wide Dynamic Range
- 3D Digital Noise Reduction
- Support on-board storage, up to 128GB
- Build-in microphone and speaker, support two-way audio
- 12 VDC & PoE (802.3af)
- Up to 10 m IR range
- Alarm I/O
- Support PIR (Passive Infrared Detection)
- Built-in Wi-Fi
- Mobile Monitoring via Hik-Connect



Specifications

Camera		
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	2.8 mm, horizontal field of view 105.8° [2.0 mm (126°), 4 mm (83°), optional]	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
DNR	3D DNR	
Wide Dynamic Range	120dB WDR	
Compression Standard		
Video Compression	H.264/H.264+/MJPEG	
H.264 Type	BaseLine Profile/Main Profile	
Video Bit Rate	32 Kbps – 8 Mbps	
Dual Streams	Support	
Audio Compression	G.711/G.722.1/G.726/MP2L2	
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-128Kbps(MP2L2)	
Image		
Max. Resolution	2688 × 1520	
Max. Frame Rate	Main Stream	50Hz: 20fps (2688 × 1520), 25fps (1920 × 1080, 1280×720) 60Hz: 20fps (2688 × 1520), 30fps (1920 × 1080, 1280×720)
	Sub Stream	50Hz: 20fps (640 × 360, 352 × 288) 60Hz: 15fps (640 × 360, 352 × 240)
Image Settings	Support rotate mode, brightness, saturation, sharpness, contrast are adjustable via web browser and client software	
Day/Night Switch	Support auto, scheduled, and triggered by alarm input	
Others	Mirror, Wide Dynamic Range (WDR), (Backlight Compensation)BLC, (Region of Interest) ROI	
Network		
Network Storage	Support Micro SD/SDHC/SDXC card (up to 128 GB) local storage and NAS (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, 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	
Standard	ONVIF (PROFILE S, PROFILE G), ISAPI	
General Function	One-key reset, Anti-flicker, Dual Streams, Heartbeat, Password Protection, Privacy Mask, Watermark, IP Address Filtering	
Interface		
Communication Interface	1 RJ45 10M/100M Ethernet port	
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB	
Audio Interface	1 build-in Mic, 1 build-in speaker	
Alarm	1 alarm input, 1 alarm output	

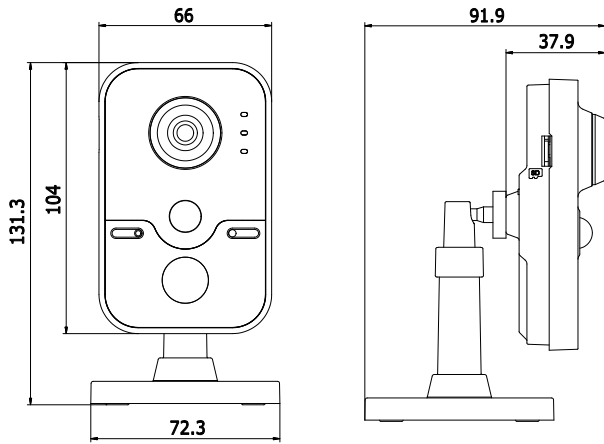
Reset	Yes
Wi-Fi	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	20/40MHz Support
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps 11g: 14±1.5dBm @ 54Mbps 11n: 12.5±1.5dBm
Reception Sensitivity	11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mbps (Typical) 11n: -74dBm (Typical)
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	12 VDC ± 25%, PoE (802.3af)
Power Consumption	Max. 5W
PIR	Angle: 90°, Range: 8m
IR Range	Approx. 10 meters
Dimensions	2.8mm, 4mm lens: 72.3 × 91.9 × 131.3mm (2.85" × 3.62" × 5.17") 2mm lens: 72.3 × 88.6 × 131.3mm (2.85" × 3.49" × 5.17")
Material	Plastic
Weight	Approx. 400g (0.88lbs)

Ordering Models

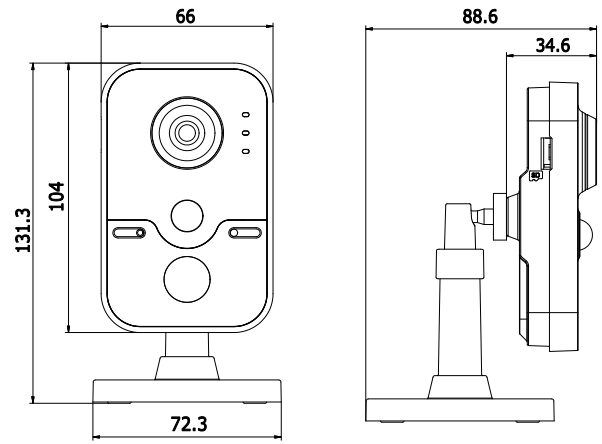
DS-2CD2442FWD-IW

Dimensions

Lens: 2.8mm, 4mm



Lens: 2mm



UNIT: mm

Distributed by



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