HIKVISION

DS-2CD2422FWD-IW
2.0 MP WDR Network Cube Camera

Key Features

- Up to 2.0 megapixel high resolution

- Two video streams

- 2.8mm/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
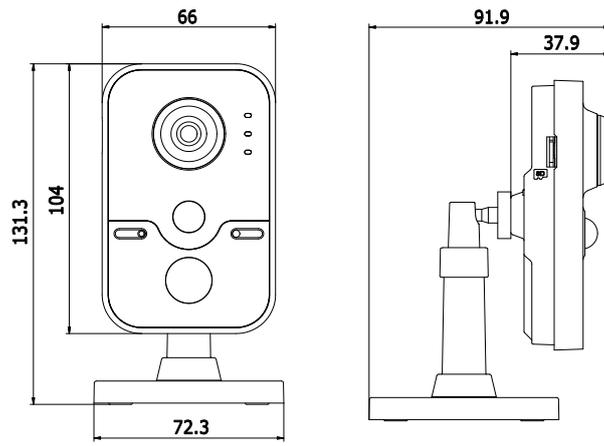
- Mobile Monitoring via Hik-Connect

Specifications

Camera	
Image Sensor	1/2.7" 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 114° [4 mm (88°), 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	1920 × 1080	
Max. Frame Rate	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
	Sub Stream	50Hz: 25fps (640 × 360, 352 × 288) 60Hz: 30fps (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	1build-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 @ 54Mpbs (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	72.3 × 91.9 × 131.3mm (2.85” × 3.62” × 5.17”)
Material	Plastic
Weight	400g (0.88lbs)

Ordering Models

DS-2CD2422FWD-IW

Dimensions

HIKVISION

66

91.9

37.9

131.3

104

72.3

UNIT: mm

Distributed by