

## DS-2CD2452F-IW 5.0 MP Network Cube Camera



### Key Features

- Up to 5.0 megapixel high resolution
- Two video streams
- 2.8mm/2mm/4mm fixed lens
- Digital Wide Dynamic Range
- 3D Digital Noise Reduction
- Support on-board storage, up to 128GB
- Build-in microphone and speaker, support two-way audio
- DC12V & 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 or iVMS-4500



## Specifications

<b>Camera</b>	
Image Sensor	1/3.2" 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 86° [2.0 mm (106.4°), 4 mm (70°), optional]
Lens Mount	M12
Day & Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic Range	Digital WDR
<b>Compression Standard</b>	
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 Bit Rate	G.711/G.722.1/G.726/MP2L2
Audio Compression	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-128Kbps(MP2L2)
<b>Image</b>	
Max. Resolution	2560 × 1920
Max. Frame Rate	Main Stream 50Hz: 20fps (2560 × 1920), 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20fps (2560 × 1920), 30fps (2048 × 1536, 1920 × 1080, 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
<b>Network</b>	
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
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), PSIA, CGI, ISAPI
General Function	One-key reset, Anti-flicker, Dual Streams, Heartbeat, Password Protection, Privacy Mask, Watermark, IP Address Filtering
<b>Interface</b>	
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
<b>Wi-Fi</b>	
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

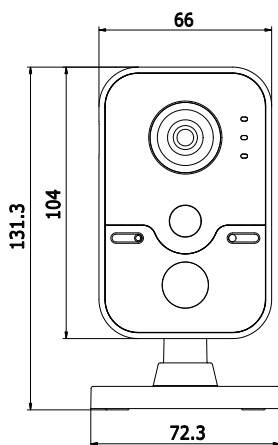
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps 11g: 14±1.5dBm @ 54Mbps 11n: 12.5±1.5dBm
Reception Sensitivity	11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mbps (Typical) 11n: -74dBm (Typical)
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50 meters (The performance varies based on actual environment)
<b>General</b>	
Operating Conditions	-10 °C – 40°C (14 °F – 104 °F), Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 10%, 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

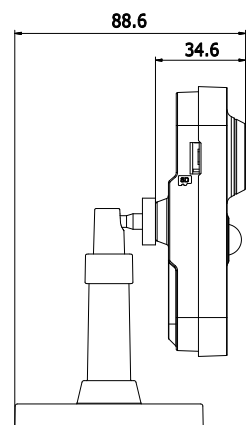
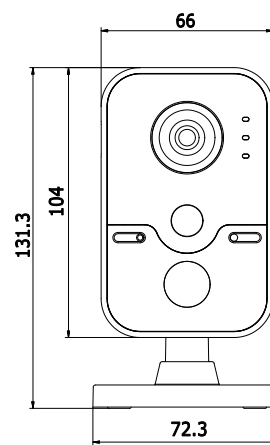
DS-2CD2452F-IW

## Dimensions

Lens: 2.8mm, 4mm



Lens: 2mm



UNIT: mm

Distributed by



**Headquarters**

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
saleseuro@hikvision.com

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-444  
info.fr@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision UK**  
T +44-1628-9021-4  
support.uk@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com