

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
- 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

| 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 | Digital 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 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) |
| 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 |
| 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 |
| Interface | |
| Communication Interface | 1 RJ45 10M/100M Ethernet port |
| On-board Storage | Built-in Micro SD/SDHC/SDXC slot, up to 128GB |
| Audio Interface | 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 |

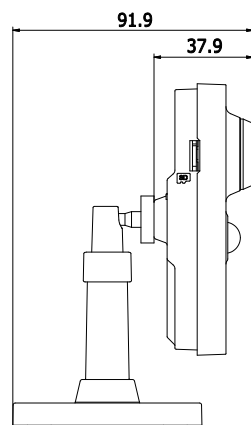
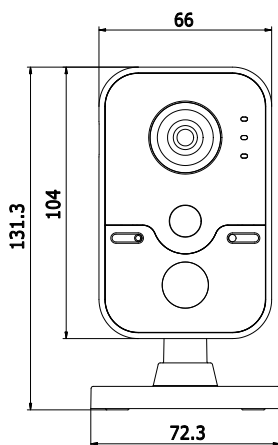
| | |
|-----------------------|---|
| Security | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS |
| Transmit Output Power | 11b: 17±1.5dBm @ 11Mbps 11g: 14±1.5dBm @ 54Mbps 11n: 12.5±1.5dBm |
| Reception Sensitivity | 11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mbps (Typical) 11n: -74dBm (Typical) |
| 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 | 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

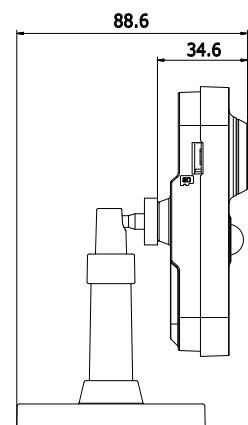
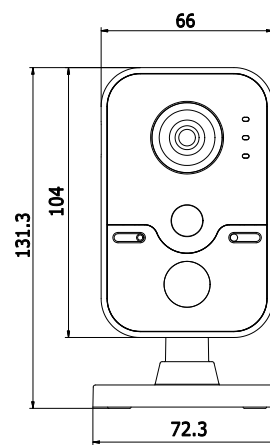
DS-2CD2442FWD-IW

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