

## DS-2CD2412F-I (W) (1.3MP)/DS-2CD2432F-I (W)(3MP)

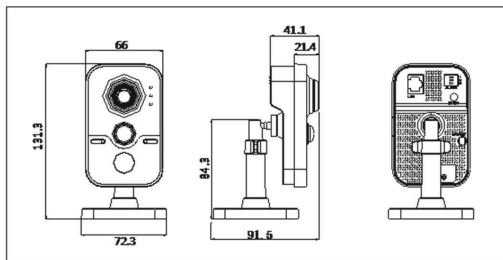
### IR Cube Network Camera



#### Key features

- 1.3MP / 3MP high resolution
- HD real-time video
- PIR detection
- IR LEDs (up to 10m)
- DWDR & 3D DNR & BLC
- PoE
- SD/SDHC/SDXC card slot (up to 64GB)
- Wi-Fi optional (WPS connection)

#### Dimensions



#### Available models

DS-2CD2412F-I, DS-2CD2412F-IW  
DS-2CD2432F-I, DS-2CD2432F-IW

\* -W: Wi-Fi

| DS-2CD2412F-I (W)                    |                                                                                                                                                                                  | DS-2CD2432F-I (W)                                                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                               |                                                                                                                                                                                  |                                                                                                                                          |
| Image sensor                         | 1/3" progressive scan CMOS                                                                                                                                                       |                                                                                                                                          |
| Min. illumination                    | 0.01 lux @F1.2, AGC ON, 0 lux with IR                                                                                                                                            | 0.07Lux @(F1.2,AGC ON) ,0 Lux with IR                                                                                                    |
| Shutter time                         | 1/25s ~ 1/100,000s                                                                                                                                                               |                                                                                                                                          |
| Lens                                 | 4mm@ F2.0 (2.8mm, 6mm optional)                                                                                                                                                  | 4mm@ F2.0 (2.8mm, 6mm optional)                                                                                                          |
|                                      | Angle of view: 92.5°(2.8mm), 73.1°(4mm), 46°(6mm)                                                                                                                                | 2048 × 1536: Angle of view: 86°(2.8mm), 70°(4mm), 43.3°(6mm)<br>1920 × 1080:Angle of view: 98.5°(2.8mm), 79°(4mm), 49°(6mm)              |
| Lens mount                           | M12                                                                                                                                                                              |                                                                                                                                          |
| Day & night                          | IR cut filter with auto switch                                                                                                                                                   |                                                                                                                                          |
| Digital noise reduction              | 3D DNR                                                                                                                                                                           |                                                                                                                                          |
| Wide dynamic range                   | Digital WDR                                                                                                                                                                      |                                                                                                                                          |
| Backlight compensation               | Yes, zone configurable                                                                                                                                                           |                                                                                                                                          |
| Compression Standard                 |                                                                                                                                                                                  |                                                                                                                                          |
| Video compression                    | H.264 / MJPEG                                                                                                                                                                    |                                                                                                                                          |
| H.264 codec profile                  | Main profile                                                                                                                                                                     |                                                                                                                                          |
| Bit rate                             | 32 Kbps ~ 16 Mbps                                                                                                                                                                |                                                                                                                                          |
| Audio compression                    | G.711/G.726/MP2L2                                                                                                                                                                |                                                                                                                                          |
| Audio bit rate                       | 64Kbps(G.711) / 16Kbps(G.726) / 32-128Kbps(MP2L2)                                                                                                                                |                                                                                                                                          |
| Image                                |                                                                                                                                                                                  |                                                                                                                                          |
| Max. Image Resolution                | 1280 × 960                                                                                                                                                                       | 2048 × 1536                                                                                                                              |
| Frame rate                           | 50 Hz: 25 fps (1280 × 960), 25 fps (1280 x720), 25 fps (704 x 576), 25 fps (640 x 480)<br>60 Hz: 30 fps (1280 × 960), 30 fps (1280 x720), 30 fps (704 x 576), 30 fps (640 x 480) | 50Hz: 20fps (2048 x 1536), 25fps (1920 × 1080), 25fps (1280 x 720)<br>60Hz: 20fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720) |
|                                      |                                                                                                                                                                                  |                                                                                                                                          |
| Image settings                       | Rotate mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser                                                                       |                                                                                                                                          |
| ROI                                  | Yes, up to 4 configurable areas                                                                                                                                                  |                                                                                                                                          |
| Network                              |                                                                                                                                                                                  |                                                                                                                                          |
| Network storage                      | Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB. NAS                                                                                                           |                                                                                                                                          |
| Alarm trigger                        | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception                                                                  |                                                                                                                                          |
| Protocols                            | TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour                                                                    |                                                                                                                                          |
| System compatibility                 | ONVIF, PSIA, CGI, ISAPI                                                                                                                                                          |                                                                                                                                          |
| General functionalities              | Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark                                                                                          |                                                                                                                                          |
| Interface                            |                                                                                                                                                                                  |                                                                                                                                          |
| Communication interface              | 1 RJ45 10 M / 100 M Ethernet interface                                                                                                                                           |                                                                                                                                          |
| Onboard storage                      | Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB                                                                                                                               |                                                                                                                                          |
| Alarm I/O                            | 1/1                                                                                                                                                                              |                                                                                                                                          |
| Wi-Fi parameters (only for -W model) |                                                                                                                                                                                  |                                                                                                                                          |
| Wi-Fi standard                       | IEEE802.11b, 802.11g, 802.11n Draft                                                                                                                                              |                                                                                                                                          |
| Frequency range                      | 2.4 GHz ~ 2.4835 GHz                                                                                                                                                             |                                                                                                                                          |
| Communication bandwidth              | Support 20/40 MHz                                                                                                                                                                |                                                                                                                                          |
| Protocols                            | 802.11b: CCK, QPSK, BPSK; 802.11g/n: OFDM                                                                                                                                        |                                                                                                                                          |
| 802.11g/n: OFDM                      | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS                                                                                                                                  |                                                                                                                                          |
| Transmission rate                    | 11b: 11Mbps, 11g: 54Mbps, 11n: 150Mbps                                                                                                                                           |                                                                                                                                          |
| Transmission range                   | Outdoor: 200m, Indoor: 50m(depend on environment)                                                                                                                                |                                                                                                                                          |
| Wireless Standards                   | IEEE802.11b, 802.11g, 802.11n Draft                                                                                                                                              |                                                                                                                                          |
| General                              |                                                                                                                                                                                  |                                                                                                                                          |
| Operating conditions                 | -30 °C ~ 60 °C<br>Humidity 95% or less (non-condensing)                                                                                                                          |                                                                                                                                          |
| Power supply                         | DC12V±10% / PoE(802.3af)                                                                                                                                                         |                                                                                                                                          |
| Power consumption                    | Max. 5W                                                                                                                                                                          |                                                                                                                                          |
| PIR                                  | Angle: 80°<br>Range: 10m                                                                                                                                                         |                                                                                                                                          |
| IR range                             | 10 meters                                                                                                                                                                        |                                                                                                                                          |
| Dimension                            | 66×91.5×131.3(2.60"×3.60"×5.17")                                                                                                                                                 |                                                                                                                                          |
| Weight                               | 400g(0.88lbs)                                                                                                                                                                    |                                                                                                                                          |

\* "-W" series support Wi-Fi (802.11b/g/n) and the modules with Wi-Fi function don't support the 802.1X protocol.

\*Without power adaptor in the case by default.