

DS-2CD2412F-I(W)



Key Features

- Up to 1.3 megapixel (1280 × 960 @ 30 fps) resolution
- Standard video compression with high compression ratio, ROI (region of interest) encoding
- Progressive scan CMOS
- Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB
- IR range approx. 10 meters
- Two-way audio
- Built-in microphone and speaker
- Support Wi-Fi, support WPS configuration with one touch(-W)
- Support PIR(Passive Infrared Detection)
- IR cut filter with auto switch
- PoE (Power over Ethernet)
- 3D digital Noise Reduction
- Support dual stream, and the sub-stream for mobile surveillance
- Integrated mount for easy installation
- Support Backlight Compensation, Digital Wide Dynamic Range, Auto-electronic shutter and so on
- Other functions: heartbeat, mirror, reset button, etc
- Support intrusion detection, line crossing detection
- Support VCA, which is compatible with NVR for the second time of video searching and analysing

Application Scenarios

It is suitable for indoor monitor space with HD image quality like small market, home, office. In addition, it can be

used in small range monitor space like unattended storage, hall, accounting office, motor room, garage and so on.

Specifications

| | |
|-----------------------------|--|
| Model | DS-2CD2412F-I(W) |
| parameters | 1.3 Megapixel CMOS Alarm Pro Cube Camera |
| Camera | |
| Image Sensor | 1/3" 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 | 4mm@ F2.0 (2.8mm, 6mm optional) |
| | Angle of view: 92.5°(2.8mm), 73.1°(4mm), 46°(6mm) |
| Lens Mount | M12 |
| Day &Night | IR cut filter with auto switch |
| Digital Noise Reduction | 3D Digital Noise Reduction |
| WDR | Digital WDR |
| Compression Standard | |
| Video Compression | H.264 / MJPEG |
| H.264 encoding level | Main Profile |
| Video Bit Rate | 32Kbps~12Mbps |
| 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 | 1280 × 960 |
| Frame Rate | 50 Hz: 25 fps (1280 × 960), 25 fps (1280 x 720), 25 fps (704 x 576), 25 fps (640 x 480) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 x 720), 30 fps (704 x 576), 30 fps (640 x 480) |
| Image Settings | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser |
| Backlight compensation | Yes, zone optional |
| ROI | Support |
| Network | |
| Network Storage | NAS (Support NFS,SMB/CIFS) |
| Alarm Trigger | Line Crossing, Intrusion Detection, 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 |

| | |
|---|---|
| General | One-key reset, Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access |
| Standard | ONVIF, PSIA, CGI, ISAPI |
| Interface | |
| Communication Interface | 1 RJ45 10M/100M Ethernet interface |
| Alarm input | 1 |
| Alarm output | 1 |
| Wi-Fi Specification(Only for the products with Wi-Fi module built-in) | |
| 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 |
| Receive Sensitivity | 11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mbps (Typical) 11n: -74dBm (Typical) |
| Transfer Rates | 11b: 11Mbps 11g: 54Mbps 11n: up to 150Mbps |
| Wireless Range | 50m(depend on environment) |
| Wireless Standards | IEEE802.11b, 802.11g, 802.11n |
| General | |
| Operating Conditions | -30 °C – 60 °C Humidity 95% or less (non-condensing) |
| Power Supply | DC12V±10% / PoE(802.3af) |
| Power Consumption | 5W MAX |
| PIR | Angle: 80° |
| | Range: 10m |
| IR Range | 10 meters |
| Dimensions (mm) | 72.3×91.9×131.3mm (2.85"×3.62" ×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.

Order Models

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

Dimensions

