

## DS-2CD2Q10FD-IW



### Key Features

- Up to 1.0 megapixel (1280 × 720 @ 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 64 GB
- IR range approx. 10 meters
- Two-way audio
- Built-in microphone and speaker
- Support Wi-Fi, support WPS configuration with one touch
- Support PIR(Passive Infrared Detection)
- IR cut filter with auto switch
- 3D digital Noise Reduction
- Support dual stream, and the sub-stream for mobile surveillance
- Support Pan & Tilt
- Support Rotate Mode, Backlight Compensation, Digital Wide Dynamic Range, Auto-electronic shutter and so on
- Support intrusion detection and line crossing detection
- Support VCA, which is compatible with NVR for the second time of video searching and analysing
- Other functions: heartbeat, mirror, watermark etc.

## 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-2CD2Q10FD-IW
parameters	1.0 Megapixel CMOS PT Camera
<b>Camera</b>	
Image Sensor	1/4" Progressive Scan CMOS
Min. Illumination	0.01Lux @(F1.2,AGC ON) ,0 Lux with IR 0.028Lux @(F2.0,AGC ON) ,0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Lens	4mm@ F2.0, Angle of view: 59° (2.8mm, 6mm optional)
Lens Mount	M12
Day & Night	IR cut filter with auto switch
Pan & Tilt	Pan:0° - 355°, Tilt: -20° - 90°
Digital Noise Reduction	3D Digital Noise Reduction
WDR	Digital WDR
<b>Compression Standard</b>	
Video Compression	H.264 / MJPEG
H.264 encoding level	BaseLine Profile/Main Profile
Video Bit Rate	32Kbps~8Mbps
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)
<b>Image</b>	
Max. Resolution	1280 × 720
Frame Rate	50 Hz: 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480) 60 Hz: 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480)
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Support
<b>Network</b>	
Network Storage	Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB. NAS (Support NFS,SMB/CIFS)
Alarm Trigger	Intrusion Detection, Line Crossing detection, Motion detection, Dynamic Analysis,

	Tampering alarm, Network disconnect, IP address conflict, Storage full, storage error
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
Standard	ONVIF, PSIA, CGI, ISAPI
General function	One-key reset, Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access
<b>Interface</b>	
Audio Input	1 built-in microphone
Audio Output	1-ch 3.5 mm audio interface, 1 built-in speaker
Communication Interface	1 RJ45 10M/100M Ethernet interface
Alarm input	1
Alarm output	1
<b>Wi-Fi Specification</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
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
<b>General</b>	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)
Power Supply	5V DC±10%
Power Consumption	Max. 7W
PIR	Angle: 80°
	Range: 10m
IR Range	10 meters
Dimensions (mm)	100.8×124
Net Weight	300g

\* "-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-2CD2Q10FD-IW

## Dimensions

