

\* Product picture and technical specs subject to change without previous notice.  
For further information, please contact our local sales representatives.



## Key features

- 1.0 megapixel resolution
- HD720p real-time video
- PIR detection
- IR LEDs (up to 10m)
- DWDR & 3D DNR & BLC
- Motorized Pan/tilt rotation
- SD/SDHC/SDXC card slot (up to 64GB)
- Wi-Fi optional (WPS connection)
- Built-in Mic & Speaker

## Available model

DS-2CD2Q10FD-IW

## Wi-Fi parameters

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
Transmission rate	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmission range	11b: 11Mbps, 11g: 54Mbps, 11n: 150Mbps
	Indoor: 50m

\* Actual performance varies based upon environmental factors

	DS-2CD2Q10FD-IW
<b>Camera</b>	
Image sensor	1/4" progressive scan CMOS
Min. illumination	0.01 lux @F1.2, AGC ON, 0 lux with IR
Shutter time	1/3s ~ 1/100,000s
Lens	4mm@ F2.0, Angle of view: 52.4° (2.8mm, 6mm optional)
Lens mount	M12
Day & night	ICR
Pan & tilt	Pan: 0° - 355°, Tilt: -20° ~ 90°
Digital noise reduction	3D DNR
Wide dynamic range	Digital WDR
Backlight compensation	Yes, zone configurable
<b>Compression Standard</b>	
Video compression	H.264 / MJPEG
H.264 codec profile	Main profile
Bit rate	32 Kbps ~ 8 Mbps
Audio compression (-S)	G.711 / G.726 / MP2L2 / G.722
Audio bit rate (-S)	64Kbps (G.711) / 16Kbps (G.726) / 32 ~ 128Kbps (MP2L2) / 16Kbps(G.722)
<b>Image</b>	
Max. Image Resolution	1280 x 720
Frame rate	50 Hz: 25fps (1280 x 720), 25fps (704 x 576), 25fps (640 x 480) 60 Hz: 30fps (1280 x 720), 30fps (704 x 576), 30fps (640 x 480)
Image settings	Rotate mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser
ROI	Yes, up to 4 configurable areas
<b>Network</b>	
Network storage	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
<b>Interface</b>	
Communication interface	1 RJ45 10 M / 100 M Ethernet interface
Audio input	1-ch built-in microphone
Audio output	1-ch 3.5mm audio interface, 1-ch built-in speaker
Onboard storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
Alarm I/O	1/1
<b>General</b>	
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)
Power supply	DC5V±10%
Power consumption	Max. 7W
PIR	Angle: 80° ; Range: 10m
IR range	10 meters