

DS-2CD4A20F-IZS



Key Features

- Up to 2 megapixel (1920 × 1080)
- H.264 High Profile, full HD with 1080p@30fps
- Progressive scan CMOS
- Some specialized encoding functions are supported such as ROI (Region of Interest), SVC (Scalable Video Coding), etc.
- EXIR with over 30m
- Digital wide dynamic range
- Micro SD / SDHC / SDXC card slot, up to 64GB
- Support automatic focusing and motorized zoom lens
- IR cut filter with auto switch
- Support up to 6 channels live view at the same time; support mobile phone surveillance
- Support defog and multiple white balance mode to fit various surveillance environment
- Support BLC, automatic electronic shutter, auto iris, slow shutter to fit different surveillance environment
- Support intrusion detection, scene change detection, line crossing detection, audio exception detection, motion detection, dynamic analysis as alarm triggering function, etc.
- Other functions: Image overlay, IP address filtering, anonymous access, heartbeat, mirror, alarm, reset button, etc.
- IP66 protection level

Specification

Model	DS-2CD4A20F-IZS
Parameter	2 Megapixel 1/2.8" CMOS ICR Network Camera
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Lens	2.8-12mm @ F1.4, 113°~33.8°
Lens Mount	AF automatic focusing and motorized zoom lens

Auto-iris	DC drive
Day & Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital
Compression Standard	
Video Compression	H.264/ MJPEG
H.264 Type	Baseline Profile / Main Profile
Video Bit Rate	32 Kbps – 8 Mbps
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	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080) / (1280 × 960) / (1280 × 720) 60Hz: 30fps (1920 × 1080) / (1280 × 960) / (1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 1fps (1920 × 1080) 60Hz: 1fps (1920 × 1080)
BLC	Support, zone optional
Defog	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
ROI	Support
Picture Overlay	128x128 24bit BMP format overlay, zone optional
Network	
Network Storage	Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)
Alarm Trigger	Line crossing detection, Intrusion detection, scene change detection, audio exception 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
Security	One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access
Standard	ONVIF, PSIA, CGI, ISAPI
Interface	
Audio Input	1-ch 3.5 mm audio interface, Mic in/Line in
Audio Output	1-ch 3.5 mm audio interface

Communication Interface	1 RJ45 10M/100M Ethernet port, 1 RS-485 interface
Alarm Input	1
Alarm Output	1
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Reset Button	Yes
General	
Protection Level	IP66
Operating Conditions	-30 °C – 60 °C Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 10%, PoE (802.3af)
IR Distance	30m
Power Consumption	12W MAX
Dimensions	100×103.9×311.8mm
Weight	2000g

Order Models

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Dimensions

