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iDS-2CD6024FWD-A/F

Key Features

- Up to 2 megapixel (1920×1080) @ 30 fps resolution
- Standard video compression with high compression ratio.
- Progressive scan CMOS
- ROI function(Region of Interest)
- Built-in Micro SD / SDXC card slot, up to 64GB
- Support 3D DNR
- Wide dynamic range , up to 120dB
- Support face capture
- Support auto exposure on face area(exposure parameters can be adjusted automatically in different environment to see the clear face image)
- The accuracy rate of face capture is more than 90% according to the specified installation position
- Support face detection, face tracking for walkbys and face capture filtering to obtain the optimal face picture.
- Support over 15 face detection and capture at the same time.
- ABF(Auto Back Focus)
- IR cut filter with auto switch
- Built-in microphone, two-way audio
- Support DC/AC/PoE power modes
- Up to 20 channels live view at the same time
- Auto-iris, electronic shutter, BLC for different surveillance environments
- Support local analog video output for adjustment and installation
- LOGO picture can be overlaid on video
- Other functions: IP address filtering, anonymous access, PTZ control, alarm, reset button, mirror, etc.

● Application Scenarios

Suitable for station, subway, residential area, market, bank, hotel, passageway, etc.

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Requirments of installation position

The maximum width of captured area is 2.5m. Installation postion can refer the following:

Width of captured carea W(m)	Monitoring distance U(m)	Focal length(mm)	Installation height (m)	A(degree)
2	5	12	2.6	13°±3°
2.5	6	12	2.8	13°±3°

Specification

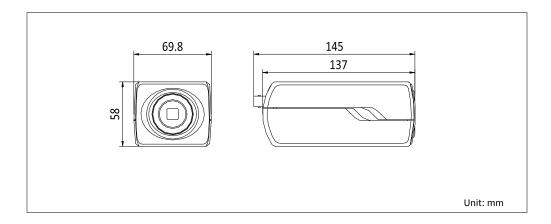| Model Parameter	iDS-2CD6024FWD-A/F
	2 Megapixel CMOS ICR Intelligent Network Box Camera
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Lens Mount	C/CS mount
Auto-iris	DC drive
Day & Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB
ABF	Support
Compression Standard	
Video Compression	H.264/MPEG4/MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps – 16 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
Frame Rate	50Hz: 25fps(1920 × 1080,1280 × 960,1280 × 720) 60Hz: 30fps(1920 × 1080,1280 × 960,1280 × 720)

BLC	Support, zone optional
HLC	Support
Image Setting	Saturation, Brightness, Contrast adjustable by client software or web browser
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
ROI	Support
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network	
Network Storage	NAS(NFS, SMB/CIFS), edge recording
Protocols	TCP/IP,ARP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF, PSIA, CGI, ISAPI
Intelligent	
Behavior Analysis	Face capture
Alarm Trigger	Defocus Detection , Scene Change, Audio Abnormal ,Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Interface	
Audio Input	1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone
Audio Output	1-ch 3.5 mm audio interface
Communication Interface	1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface
Alarm Input	1
Alarm Output	1
Video Output	1Vp-p composite output (75 Ω/FNC)
On-board storage	Built-in Micro SD/SDXC slot, up to 64 GB
Reset Button	Yes
General	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)
Power Supply	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)
Power Consumption	Max. 6 W (Max. 9W with IR cut filter on)
Dimensions	69.8×58×145 mm (2.68" × 2.56" × 5.70")
Weight	830 g (1.83 lbs)

Order Models

iDS-2CD6024FWD/F, iDS-2CD6024FWD-A/F

Dimensions

69.8   145
137
58

Unit: mm

Accessories

Indoor wall mount
DS-1212ZJ

Outdoor Wall Mount Bracket
DS-1213ZJ

Outdoor camera housing
DS-1322HZ-C/H/CW/HW

Indoor Camera Housing
DS-1320HZ

Lens

HV1140D-8MPIR
8MP vari-focal & auto-iris lens

HV3816D-8MPIR
8MP vari-focal & auto-iris lens