DS-2CD40C5F-(AP)
12MP Indoor Box network camera

SD · **4K** · V smart CODEC · V smart

DIGITAL WDR · **3D DNR**
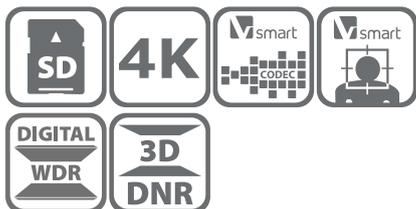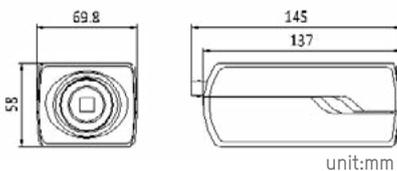
Key features

- 1/1.7" progressive scan CMOS sensor
- Up to 12MP ultra-HD resolution
- Full smart feature-set
- Auto back focus
- P-Iris optional
- Up to 128GB on-board storage

Available Models

Lens no included models: DS-2CD40C5F

Dimension

69.8 · 145 · 137 · 58

unit:mm

Accessories

HV3816D-8MPIR 3.8~16mm DC Iris Lens

HV1140D-8MPIR 11~40mm DC Iris Lens

DS-1293ZJ Long Arm Wall Mount

DS-1292ZJ Short Arm Wall Mount

DS-1322HZ-C/H/CW/HW Outdoor Housing

DS-1320HZ Indoor Housing

DS-2CD40C5F-(AP)	
Camera	
Image Sensor	1/1.7'' Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON)
Shutter Speed	1s ~ 1/100,000s
Slow Shutter	Support
Lens Mount	C/CS mount
Auto-iris	DC drive
Day & Night	IR Cut Filter with auto switch
WDR	DWDR
Compression Standard	
Video Compression	H.264+/H.264/ 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	4000 × 3000
Frame Rate	50Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15fps (4000 × 3000), 22fps (4096 × 2160), 24fps (3840 × 2160), 30fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 10fps(1280 × 720)
Image Enhancement	BLC/3D DNR/ROI/Defog
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, 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(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
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 (2.75" × 2.28" × 5.71")
Weight	830 g (1.83 lbs)