

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), 0.006 Lux @ (F2.5, AGC ON) B/W: 0.0007 Lux@(F1.2, AGC ON), 0.003 Lux@(F2.5, AGC ON)
Shutter Speed	Channel 1: 1/25 s to 1/100,000 s Channel 2: 1 s to 1/100,000 s
Slow Shutter	Channel 2: Yes
Auto-Iris	No
Day & Night	L10, L20, L30: Electronic
Digital Noise Reduction	3D DNR
WDR	120 dB
Angle Adjustment	No
Lens	
Focal length	L10: 3.7 mm L20: 2.8mm, 3.7 mm L30: 2 mm, 2.8 mm, 4 mm
Focus	No
FOV	L10: 3.7 mm, F 2.5, horizontal FOV 75°, vertical FOV 41.5°, diagonal FOV 87° L20: 2.8 mm/3.7 mm 2.8 mm: F 2.5, horizontal FOV 94°, vertical FOV 51.5°, diagonal FOV 109° 3.7 mm: F 2.5, horizontal FOV 75°, vertical FOV 41.5°, diagonal FOV 87° L30: 2 mm/2.8 mm/4 mm 2 mm: F 2.0, horizontal FOV 132.8°, vertical FOV 77.5°, diagonal FOV 153° 2.8 mm: F 1.6, horizontal FOV 110.5°, vertical FOV 60°, diagonal FOV 130° 4 mm: F 1.6, horizontal FOV 86°, vertical FOV 45°, diagonal FOV 102°
Aperture	L10: F2.5 L20: F 2.5 L30: 2 mm: F 2.0; 2.8/4 mm: F 1.6
Lens Mount	M12
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.265 Type	Main Profile
H.265+	Main stream support
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Main stream support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
SVC	H.264 and H.265 support
Smart Feature-set	
Behavior Analysis	Channel 1: Line crossing detection, intrusion detection, region entrance, region exiting, unattended baggage, object removal Channel 2: No
Exception Detection	Channel 1: Scene change detection, defocus detection, audio exception detection Channel 2: No

Face Detection	Channel 1: Yes Channel 2: No
Face Capture	Channel 1: Yes Channel 2: No
Region of Interest	Channel 1: 4 fixed regions for each stream, and dynamic face tracking Channel 2: No
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Target Cropping	No
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm in
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Network	
Network Storage	Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Firmware Version	V5.5.42
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-connect
Web Browser	IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11
Interface	
Audio	1 input (line in), 1 output (line out), mono sound
Alarm	2 inputs, 2 outputs (up to 12 VDC 30mA)
Communication Interface	1 RJ45 10M/100M Ethernet port, RS485, built-in RS232
Video Output	No
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16kHz/32kHz/44.1kHz/48kHz
General	
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity ≤ 95% or less (non-condensing)
Power Supply	12 VDC + PoE, 8-36 VDC, two-core terminal block PoE (802.3at, class 4)

Power Consumption and Current	12 VDC, 1.3 A, max. 15W, 8-36 VDC, PoE (802.3at, class 4): 42.5 V to 57 V, 0.4 A to 0.3 A, max. 16 W
Material	Metal
Protection Level	L30: IP66 (2 mm: No)
Dimensions	Main body: 135 × 107.8 × 30.4 mm (5.3" × 4.3" × 1.2")
Weight	Main body: approx. 450 g (1 lb.) With Package: 900 g (2 lb.)

Available Model

DS-2CD642G0/F-C2 (main body only)

DS-2CD6425G0/F-L10 (3.7 mm) 2 m or 8 m cable optional (lens and cable only)

DS-2CD6425G0/F-L20 (2.8/3.7 mm) 2 m or 8 m cable optional (lens and cable only)

DS-2CD6425G0/F-L30 (2/2.8/4 mm) 2 m or 8 m cable optional (lens and cable only)

DS-2CD6425G0/F-31 (2 mm) 8 m, DS-2CD6425G0/F-31 (2.8 mm) 8 m, DS-2CD6425G0/F-31 (4 mm) 8 m,

DS-2CD6425G0/F-11 (3.7 mm) 8 m,

DS-2CD6425G0/F-21 (3.7 mm) 8 m, DS-2CD6425G0/F-21 (2.8 mm) 2 m, DS-2CD6425G0/F-21 (2.8 mm) 8 m



Dimension

