

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120 dB
Angle Adjustment	Pan: -30° to +30°, Tilt: 0° to 75°, Rotate: 0° to 360°
Lens	
Focal length	2.0/2.8/4/6/8 mm fixed lens
Aperture	F1.6
FOV	2.0 mm @ F1.6, horizontal FOV 132°, vertical FOV 77°, diagonal FOV 153° 2.8 mm @ F1.6, horizontal FOV 110°, vertical FOV 60°, diagonal FOV 130° 4 mm @ F1.6, horizontal FOV 82°, vertical FOV 45°, diagonal FOV 98° 6 mm @ F1.6, horizontal FOV 56°, vertical FOV 31°, diagonal FOV 65° 8 mm @ F1.6, horizontal FOV 40°, vertical FOV 22°, diagonal FOV 46°
Lens Mount	M12
IR	
IR Range	up to 30 m
Wavelength	850 nm
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264+	Main stream support.
H.265 Type	Main Profile
H.265+	Main stream support.
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Exception Detection	No
Face Detection	Yes
Region of Interest	1 fixed region for main stream and sub stream
Image	
Max. Resolution	1920 × 1080
Main Stream	H.265/H.264 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	H.265/H.264/MJPEG 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

Third Stream	H.265/H.264	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC, 3D DNR	
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser	
Target Cropping	No	
SVC	H.264 and H.265 encoding	
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)	
Picture Overlay	No	
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, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter	
Firmware Version	V5.5.4	
API	ONVIF (PROFILE S, PROFILE G), ISAPI	
Simultaneous Live View	Up to 6 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+, Chrome31.0-44, Firefox30.0-51, Safari8.0+	
Interface		
Audio (-S)	1 input (line in), 1 built-in mic, 1 output (line out), mono sound	
Alarm (-S)	1 input, 1 output (up to 12VDC, 30mA)	
Communication Interface	1 RJ45 10M/100M Ethernet port	
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB	
Reset Button	Yes	
Audio (-S)		
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 less than 95% or less (non-condensing)	
Power Supply	-I, -IS: 12 VDC ± 25%, 5.5 mm coaxial power plug, -IM: 12 VDC ± 25%, Molex plug for DC input PoE (802.3af, class 3)	
Power Consumption and Current	12 V DC ± 25%, 0.5 A, max. 6 W PoE: (802.3af,36V-57V), 0.2A to 0.13A, Max:7.5W	
Protection Level	IP67, IK10	
Material	Metal	
Dimensions	Camera: Φ 110 mm × 57.4 mm (4.3" × 2.3"), with base: Φ 110 mm × 69.4 mm (4.3" × 2.7") With package: 252 mm × 160 mm × 95 mm (9.9" × 6.3" × 3.7")	
Weight	Camera: Approx. 580 g (1.3 lb.) With package: 860 g (1.9 lb)	