

Specifications

Camera		
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), 0.003 Lux @ (F2.0, AGC ON) B/W: 0.0001 Lux @ (F1.2, AGC ON), 0.0003 Lux @ (F2.0, AGC ON)	
Shutter Speed	1 s to 1/100,000 s	
Slow Shutter	Yes	
Auto-Iris	N/A	
Day & Night	Electronic	
Digital Noise Reduction	3D DNR	
WDR	120 dB	
Angle Adjustment	N/A	
Lens		
Focal length	2.0/2.8/4.0 mm fixed lens	
Aperture	2.0 mm @ F2.0, 2.8 mm @ F1.6, 4 mm @ F1.6	
FOV	2.0 mm @ F2.0, horizontal FOV 127.6°, vertical FOV 77°, diagonal FOV 151° 2.8 mm @ F1.6, horizontal FOV 103°, vertical FOV 58.5°, diagonal FOV 127° 4 mm @ F1.6, horizontal FOV 82°, vertical FOV 46°, diagonal FOV 103°	
Lens Mount	M12	
White Light		
White Light Range	Up to 10 m	
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	Baseline Profile/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	N/A	
Audio Bit Rate	N/A	
Smart Feature-set		
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection	
Exception Detection	N/A	
Face Detection	N/A	
Region of Interest	4 fixed regions for each 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 (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)

Third Stream	H.265/H.264	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)
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	Yes	
SVC	H.264 encoding	
Day/Night Switch	Day/Night	
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	Anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter, mirror	
Firmware Version	V5.5.52	
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	IE 8+, Chrome 31.0 - 44, Firefox 30.0 - 51, Safari 8.0+	
Interface		
Communication Interface	1 RJ45 10M/100M Ethernet port	
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB	
Reset Button	N/A	
Audio		
Environment Noise Filtering	N/A	
Audio Sampling Rate	N/A	
General		
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)	
Power Supply	36 VDC ± 20%, two-core terminal block, PoE (802.3at, class 3)	
Power Consumption and Current	36 V DC ± 20%, 0.6 A, max. 14.5 W PoE: (802.3.at, 42.5V-57V), 0.45A to 0.3A, 17W	
Protection Level	IP68	
Material	SUS316L Metal	
Cable Length	50 m (included)	
Dimensions	Camera: 210 mm × 200 mm × 205 mm (8.3" × 7.9" × 8.1") With package: 700 mm × 530 mm × 340 mm (27.6" × 20.9" × 13.4")	
Weight	Camera: 11.83 kg (26.08 lb.) With package: 15.285 kg (33.70 lb.)	