

## Specifications

<b>Camera</b>		
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), 0.003 Lux @ (F2.0, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON), 0.0003 Lux @ (F2.0, AGC ON), 0 lux with white light	
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	
<b>Lens</b>		
Focal length	2.0/2.8/4.0 mm fixed lens	
Aperture	2.0 mm @ F2.2, 2.8 mm @ F1.6, 4 mm @ F1.6	
FOV	2.0 mm @ F2.2, horizontal FOV 127.6°, vertical FOV 74.5°, diagonal FOV 145.9° 2.8 mm @ F1.6, horizontal FOV 108°, vertical FOV 56.7°, diagonal FOV 121.4° 4 mm @ F1.6, horizontal FOV 82°, vertical FOV 43.8°, diagonal FOV 96.5°	
Lens Mount	M12	
<b>White Light</b>		
White Light Range	Up to 10 m	
<b>Compression Standard</b>		
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	
<b>Smart Feature-set</b>		
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	
<b>Image</b>		
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, 352 × 288, 640 × 480, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 352 × 240, 640 × 480, 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	
<b>Network</b>		
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+	
<b>Interface</b>		
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	
<b>Audio</b>		
Environment Noise Filtering	N/A	
Audio Sampling Rate	N/A	
<b>General</b>		
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	SUS304 Metal	
Cable Length	15 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: 6.955 kg (15.33 lb.) With package: 11.165 kg (24.61 lb.)	