

Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day &Night	IR Cut Filter
Wide Dynamic Range	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
DNR	3D DNR

Lens

Lens	2.8/4 mm
Aperture	F2.0
FOV	2.8 mm, horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135° 4 mm, horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102°
Lens Mount	M12

Illuminator

IR Range	10 m
Wavelength	850 nm

PIR

PIR Angle	Horizontal: 90°, vertical: 80°
PIR Range	10 m

Video

Max. Resolution	1920 × 1080
Main Stream	50Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25 fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288) 60Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 240)
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.265 Type	Main Profile
Video Bit Rate	32 Kbps to 16 Mbps
SVC	Support H.264 and H.265 encoding

Audio

Audio Compression	G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Smart Feature-Set

Smart Event	Line crossing detection, intrusion detection, face detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)

Face Detection	Yes
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email

Image

Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule

Wi-Fi

Frequency	2.412 GHz to 2.4835 GHz
Channel Bandwidth	20 M/40 M
Security	WPA, WPA2
Transfer Rate	11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps
Wireless Range	50 m
Wireless Standards	IEEE 802.11b/g/n

Network

Network Storage	Support MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome

Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users. 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, PIR, illegal login
Firmware Version	5.6.3

Interface

Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 built-in mic, 1 built-in speaker, mono sound
On-Board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB

Compression Standard

H.264+	Main stream supports
H.265+	Main stream supports

Smart Feature-Set

Face Detection	Yes
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General

Web Client Language	32 languages
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English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)

General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Reset	Yes
Startup And Operating Conditions	-10 °C to +40 °C (14 °F to +104 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC \pm 25%, PoE (802.3af, class 3)
Power Consumption And Current	12 VDC, 0.5 A, max. 6 W, Ø5.5 mm coaxial plug power; PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7 W
Material	Plastic
Dimensions	102.8 mm \times 65.2 mm \times 32.6 mm (4.1" \times 2.6" \times 1.3")
Weight	Camera: Approx. 128 g (0.3 lb.)