

Camera

Image Sensor	1/2.9" Progressive Scan CMOS
Min. Illumination	Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	120 dB
Day & Night	IR Cut Filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

Lens

Lens Type	2.8 to 12 mm
FOV	Horizontal FOV: 88° to 27°, vertical FOV: 48° to 16°, diagonal FOV: 104° to 32°
Aperture	F1.4
Lens Mount	Φ14

Illuminator

IR Range	Up to 30 m
Wavelength	850 nm

Video

Max. Resolution	3072 × 2048
Main Stream	50Hz: 20fps (3072 × 2048, 3072 × 1728, 2944 × 1656), 25fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3072 × 2048, 3072 × 1728, 2944 × 1656), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Video Compression	Main stream/third stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding support
Region Of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Environment Noise	Yes
Filtering	
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
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
User/Host	Up to 32 users, 3 levels: administrator, operator and user

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
-----------------	---

Network Storage	microSD/SDHC/SDXC card (128 G), local storage and NAS (NFS, SMB/CIFS), ANR Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
------------------------	---

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+
--------------------	---

Image

Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)
-------------------------	--

Image Enhancement	BLC, HLC, 3D DNR
--------------------------	------------------

Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
-----------------------	---

Interface

Audio	1 input (line in), 1 output (line out), four-core terminal block, mono sound
--------------	--

Alarm	1 input, 1 output
--------------	-------------------

On-Board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
-------------------------	--

Hardware Reset	Reset via reset button on camera body, web browser and client software
-----------------------	--

Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
--------------------------------	---

Smart Feature-Set

Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection
General	
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
Web Client Language	32 languages 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
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Startup And Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC \pm 25%, Φ 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption And Current	12 VDC, 0.92 A, max. 11 W PoE (802.3af, 36 V to 57 V), 0.35 A to 0.22 A, max. 12.5W
Camera Dimension	Camera: Φ 138.3 \times 126 mm (Φ 5.4" \times 5.0") With Package: 170 \times 170 \times 150 mm (6.7" \times 6.7" \times 5.9")

Camera Weight

Camera: Approx. 1.20 kg (2.65 lb.) With Package: Approx. 1.42 kg (3.13 lb.)

Approval**EMC**

47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015

Safety

UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015

Environment

2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006

Protection

Ingress protection: IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)
