



IVH-81LI-UH

8 MP Smart Hybrid Light Fixed Turret Network Camera, 2.8 mm fixed lens, 30 m IR range, built-in microphone, on-board storage up to 512 GB, two-way audio, human and vehicle detection, PoE, IP67.

High quality imaging with 8 MP resolution
 Support Human and Vehicle Detection
 Smart Hybrid Light: advanced technology with long range
 Efficient H.265+ compression technology
 Support on-board storage up to 512 GB (SD card slot)
 Provide real-time security via built-in two-way audio
 Water and dust resistant (IP67)

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max Resolution	3840 × 2160
Min. Illumination	Colour: 0.01 Lux @(F2.2, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 ÷ 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment (bracket)	<i>Pan: 0° ÷ 360°; Tilt: 0° ÷ 75°; Rotation: 0° ÷ 360°</i>
Lens	
Lens Type	Fixed focal lens
Focal length	2.8 mm
Aperture	F2.0
Iris Type	Fixed
FOV	<i>Horizontal field of view: 113°; Vertical field of view: 62°; Diagonal field of view: 134°</i>
Lens Mount	M12
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 12.5 fps @(3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps @(3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 12.5 fps @(1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps @(1280 × 720, 640 × 480, 640 × 360)
Video Compression	<i>Main stream: H.265+/ H.265/ H.264+/H.264</i> <i>Sub-stream: H.265/H.264/MJPEG</i>
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 kbps to 16 Mbps
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Audio	
Audio Type	Mono sound
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 kbps (G.711ulaw)/64 kbps (G.711alaw)/16 kbps (G.722.1)/16 kbps (G.726)/32 to 160 kbps (MP2L2)/16 to 64 kbps (AAC-LC)
DORI	
DORI	D: 79 m; O: 31 m; R: 15 m; I: 7 m
Image	

Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks
Image Enhancement	BLC, HLC, 3D-DNR
Image Setting	Rotate mode, Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, UPnP
API	Open Network Video Interface (Profile S, Profile T), ISAPI, SDK
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users; 3 user levels: administrator, operator and user
Client	CMS-MAZi, CTR-MAZi
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Interface	
Ethernet Interface	1 RJ45 10/100 M self-adaptive Ethernet port
Built-in Microphone	1
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Speaker	Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 95 dB.
Reset Key	Yes
Event	
Basic event	Motion detection (support alarm triggering by specified target types (human and vehicle), video tampering alarm, exception
Linkage	Upload to FTP/NAS/ memory card, send email, notify surveillance center, trigger recording, trigger capture, audible warning, flashing light
General	
Operating and Storage Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), humidity 95% or less (non-condensing)
Power Supply	12 Vdc ± 25%; 0.66 A, max. 8 W; Ø 5.5 mm coaxial power plug, reverse polarity protection; PoE IEEE 802.3af, Class 3, max. 9.5 W
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email
Flashing Light	Yes
Material	Metal & Plastic
Camera Dimension	Ø 110 × 102.7 mm (Ø 4.33" × 4.04")
Package Dimension	150 × 150 × 141 mm (5.9" × 5.9" × 5.6")
Camera Weight	Approx. 385 g (0.85 lb.)
With Package Weight	Approx. 586 g (1.3 lb.)
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

