

IVH-41PI-HTA

4 MP Smart Hybrid Light Fixed Turret Network Camera.

High quality imaging with 4 MP resolution
Focus on human and vehicle classification based on deep learning
Smart Hybrid Light: Integrates IR and White lights, 4 supplemental lighting modes
Built-in arrayed dual-microphone for real-time high quality audio security
Clear imaging against strong back light due to 120 dB true WDR technology
Efficient H.265+ compression technology
Water and dust resistant (IP67)

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Max Resolution	2688 x 1520
Min. Illumination	Colour: 0.005 Lux @(F1.6; AGC ON), 0 Lux with light
Shutter Time	1/3 ÷ 1/100,000 s
Day &Night	IR Cut Filter
Angle Adjustment	Pan: 0° ÷ 360°, Tilt: 0° ÷ 75°, Rotate: 0° ÷ 360°
Lens	
Lens Type	Fixed focal lens, 2.8 mm
Focal Length & FOV	2.8 mm, horizontal FOV 98°, vertical FOV 54°, diagonal FOV 114°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
Depth of Field	1.4 m to ∞
DORI	
DORI	2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m
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: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.*
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.*
Video Bit Rate	32 ÷ 8 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
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Target Cropping	Yes
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 kbps (G.711ulaw/G.711alaw)/16 kbps (G.722.1)/16 kbps (G.726)/32 ÷ 160 kbps (MP2L2)/8 ÷ 320 kbps (MP3)/16 ÷ 64 kbps (AAC-LC)
Network	
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 6 channels
API	ONVIF (ProfileS,ProfileG), ISAPI,SDK, ISUP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets
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: IE11, Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
Image	
Image Parameters Switch	Yes
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D-DNR
Image Settings	Rotate mode
Privacy Mask	8 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Audio	Built-in Microphone: Arrayed dual-microphone
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
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion Support alarm triggering by specified target types (human and vehicle)

General	
Power	12 Vdc ± 25%; 0.58 A, max. 7 W; Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, class 3; max. 9 W
Material	Metal
Dimension	*Camera*: Ø127.3 × 96.3 mm (Ø 5.0" × 3.8") *Package*: 150 × 150 × 141 mm (5.9" × 5.9" × 5.6")
Weight	*without package:* ~ 515 g (1.1 lb.); *with package:* ~ 755 g (1.7 lb.)
Storage Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), Humidity 95% or less (non-condensing)
Operating Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), Humidity 95% or less (non-condensing)
Language	33 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), Ukrainian
General Function	Heartbeat, mirror, flashlog, password reset via email, pixel counter, anti-banding
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: Issue7, KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS:IS13252(Part1): 2010/IEC60950-1:2005, LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

