

IDH-82PIX

8 MP IR Fixed Dome Network Camera, IP67.

High quality imaging with 8 MP resolution
Clear imaging against strong backlight due to 120 dB true WDR technology
Efficient H.265+ compression technology
Focus on human and vehicle targets classification based on deep learning
-S: Audio and alarm interface available
Water and dust resistant (IP67) and vandal-resistant (IK10)

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Colour: 0.005 Lux @(F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 ÷ 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Day & Night	IR cut filter
WDR	120 dB
3-Axis Adjustment	*Pan*: 0° ÷ 355°; *Tilt*: 0° ÷ 75°; *Rotate*: 0° ÷ 355°
Lens	
Lens Type	Fixed focal length, 2.8 mm
Aperture	F1.6
FOV	*Horizontal field of view*: 107°; *Vertical field of view*: 57°; *Diagonal field of view*: 128°
Lens Mount	M12
Iris Type	Fixed
DORI	
DORI	D: 88 m, O: 35 m, R: 17 m, I: 9 m
Illuminator	
Supplement Light Type	IR
Smart Supplement Light	Yes
IR Range	Up to 30 m
IR Wavelength	850 nm
Video	
Max. Resolution	3840 × 2160
Main Stream	50 Hz: 20 fps (3840 × 2160), 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160), 30 fps (3200 × 1800, 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.264/H.264+/H.265+ *Sub-stream*: H.265/H.264/MJPEG *Third stream*: H.265/H.264 **Third stream is supported under certain settings*
Video Bit Rate	32 kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
ROI (Region of Interest)	1 fixed region for main stream and sub-stream
Audio	
Audio Compression (-S)	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC

Audio Bit Rate (-S)	64 kbps (G.711ulaw/G.711alaw)/16 kbps (G.722.1)/16 kbps (G.726)/16-64 kbps (AAC-LC)/32-192 kbps (MP2L2)/8-320 kbps (MP3)
Environment Noise Filtering (-S)	Yes
Sampling Rate (-S)	8 kHz/16 kHz/32 kHz/44.1 kHZ/48 kHz
Network	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets
User/Host	Up to 32 users. 3 levels: administrator, operator and user
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, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	CMS-MAZi, CTR-MAZi
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D-DNR
SNR	≥ 52 dB
Interface	
Audio (-S)	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium; 1 output (line out), max.output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium,mono sound
Alarm (-S)	1 alarm input, 1 alarm output (max. 12 Vdc, 30 mA)
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 512 GB
Hardware Reset	Yes
Ethernet Interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Face Detection	Yes
Deep Learning Function	
Perimeter Protection	Line crossing detection, intrusion detection Supports human and vehicle targets classification
General	
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email
Web Client 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
Operating and Storage Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), humidity 95% or less (non-condensing)
General Function	Anti-flicker, heartbeat, password reset via email, pixel counter
Firmware Version	V5.5.113
Software Reset	Yes
Power Consumption and Current	12 Vdc, 0.5 A, max. 6 W PoE (802.3af, 36 ÷ 57 V), 0.25 ÷ 0.15 A, max. 7.5 W
Power Supply	12 Vdc ± 25%; reverse polarity protection PoE: 802.3af, Class 3
Power Interface	Ø 5.5 mm coaxial power plug
Material	Camera body: Aluminum alloy Bubble: plastic
Dimension	Camera Ø 110.8 × 84.7 mm (Ø 4.4" × 3.3") Package: 134 × 134 × 108 mm (5.37″ × 5.3″ × 4.3″)
Weight	~520 g (1.1 lb.)

Approval

EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950- 1:2005 + Am 1:2009 + Am 2:2013);
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002)