



IDH-44PIX

4 MP Fixed Wi-Fi Network Dome Camera, IP67.

High quality imaging with 4 MP resolution

Clear imaging against strong backlight due to 120 dB WDR technology

Efficient H.265+ compression technology

Water and dust resistant (IP67) and vandal resistant (IK10)

Focus on human and vehicle targets classification based on deep learning

Camera

Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Colour: 0.005 Lux @(F1.6, AGC ON), 0 Lux with IR on
Shutter Speed	1/3 ÷ 1/100,000 s
Slow Shutter	Yes
Day & Night	ICR Cut
WDR	120 dB
P/N	P/N
Angle Adjustment	<i>Pan: 0° ÷ 355°; Tilt: 0° ÷ 75°; Rotate: 0° ÷ 355°</i>

Lens

Aperture	F1.6
FOV	<i>Horizontal field of view: 103° Vertical field of view: 55° Diagonal field of view: 122°</i>
Lens Mount	M12
Lens Type	2.8 mm

DORI

DORI	D: 67 m O: 26 m R: 13 m I: 6 m
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Illuminator

IR Range	Up to 30 m
IR Wavelength	850 nm

Video

Max. Resolution	2688 × 1520
Main Stream	50 Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50 Hz: 25fps (640 × 480, 640 × 360) 60 Hz: 30fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video Compression	<i>Main stream: H.265/H.264/ H.264+ H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264</i>
Video Bit Rate	32 kbps to 8 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)	Yes
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

Audio

Environment Noise Filtering	Yes
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 kbps (G.711ulaw/G.711alaw)/16 kbps(G.722.1)/16 kbps(G.726)/16 -64 kbps (AAC)/32-192 kbps (MP2L2)/8-320 kbps (MP3)
Audio Sampling Rate	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, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, 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	MicroSD/SDHC/SDXC card (256 GB) local storage, and 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

Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D-DNR
Image Parameters Switch	Yes
Image Setting	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface

Audio	1 input (line in), two-core terminal block , max. input amplitude: 3.3 vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium; 1 output (line out), two-core terminal block , max.output amplitude: 3.3 vpp, output impedance: 100 Ω , interface type: non-equilibrium, mono sound
Alarm	1 input, 1 output (max. 12 Vdc, 30 mA)
On-board Storage	Built-in micro SD, up to 256 GB
Reset Key	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
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General

Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email
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	Anti-flicker, heartbeat, password reset via e-mail, pixel counter
Storage Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), humidity 95% or less (non-condensing)
Power Supply	12 Vdc $\pm$ 25%; reverse polarity protection PoE: 802.3af, Class 3
Power Consumption and Current	12 Vdc, 0.4 A, max. 5 W PoE (802.3af, 36 ÷ 57 V), 0.2 ÷ 0.15 A, max. 6.5 W
Power Interface	$\varnothing$ 5.5 mm coaxial power plug
Material	Aluminum alloy body Bubble: plastic
Reset	Yes
Screw Material	SUS304
Dimension	$\varnothing$ 110.8 × 84.7 mm ($\varnothing$ 4.4" × 3.3")
Package Dimension	134 × 134 × 108 mm (5.3" × 5.3" × 4.3")
Weight	530 g (1.2 lb.)
With Package Weight	720 g (1.6 lb.)

Approval

EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:
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Safety

Environment

Protection

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)

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); BIS (IS 13252(Part 1): 2010+A1: 2013+A2:2015)

CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

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

