



IWH-43PIX

4 MP IR Fixed Network Bullet Camera, Colour:
 0.003 Lux/(F1.4, AGC ON), 3 streams, 3D-DNR,
 BLC, ICR, EXIR, IP67.

1/2.7" Progressive Scan CMOS
 2592 × 1944@20fps
 4 mm fixed lens
 H.265+, H.265, H.264+, H.264
 3D-DNR
 IR range: Up to 60 m
 IP67

Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Colour: 0.003 Lux @(F1.4, AGC ON)
Shutter Speed	1/3 ÷ 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Day & Night	ICR cut
WDR	120 dB
Angle Adjustment	<i>Pan: 0° ÷ 360°; Tilt: 0° ÷ 90°; Rotation: 0° ÷ 360°</i>

Lens

Focal length	4 mm
Aperture	F1.4
FOV	<i>Horizontal field of view: 83° Vertical field of view: 45° Diagonal field of view: 98°</i>
Lens Mount	M12

Illuminator

IR Range	Up to 60 m
Wavelength	850 nm
Smart Supplement Light	Yes
Visual Alarm	Yes

Compression Standard

Video Compression	<i>Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264</i>
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
Video Bit Rate	32 Kbps to 8 Mbps

Audio

Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/8-320 Kbps (MP3)
Environment Noise Filtering	Yes

Video

Max. Resolution	2592 × 1944
Main Stream	<i>50 Hz: 20fps (2592 × 1944) 25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 20fps (2592 × 1944) 30fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)</i>
Sub-Stream	<i>50 Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30fps (640 × 480, 640 × 360, 320 × 240)</i>

Third Stream	50 Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240) 60 Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240)
Image Enhancement	BLC, HLC, 3D-DNR
Image Parameters Switch	Yes
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Scheduled
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), 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
Smooth Streaming	Yes
User/Host	Up to 32 users. 3 user 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 1.2, WSSE and digest authentication for ONVIF
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	<i>Plug-in required live view:</i> IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 <i>Plug-in free live view:</i> Chrome 57.0+, Firefox 52.0+
Interface	
Alarm	1 input, 1 output (max. 24 Vdc, 1 A or max. 24 Vac, 1 A)
Audio	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium; 1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium; 1 built-in speaker, 1 built-in microphone
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Intelligent (Traditional Algorithm)	
Alarm	1 input, 1 output (max. 24 Vdc, 1 A or max. 24 Vac, 1 A)
Intelligent (Deep Learning Algorithm)	
Face Capture	Yes
Premier Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
General	
Linkage Method	Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, strobe light, audible warning <i>*Note: External device is required.</i>
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
General Function	Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
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 ± 25%; PoE: 802.3af, Class3
Power Consumption and Current	12 Vdc, 0.88 A, max. 10.5 W PoE: (802.3af, 36 V to 57 V), 0.34 ± 0.21 A, max. 12.5 W
Power Interface	Ø 5.5 mm coaxial power plug
Material	Aluminum alloy body
Camera Dimension	Ø105 × 287.6 mm (Ø 4.1" × 11.3")
Package Dimension	386 × 156 × 155 mm (15.2" × 7.5" × 7.1")
Camera Weight	Approx. 1120 g (2.5 lb.)
With Package Weight	Approx. 1634 g (3.6 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, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)