![MAZi - The Security Company]

IWH-81PIX
8 MP Network Bullet Camera

Up to 8 MP High Resolution
Full 3840 × 2160 @20 fps
2.8 mm / 4 mm / 6 mm / 8 mm Fixed Lens
H.265+, H.265, H.264+, H.264
120dB Wide Dynamic Range
3D Digital Noise Reduction
12 VDC & PoE (802.3af)
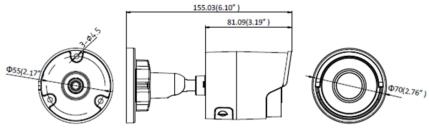EXIR 2.0 with up to 100 ft (30 m) IR Range
IP67 Protection

This camera provides important new technology for any security application. The H.265+ codec assures savings in bandwidth and storage. High quality and high resolution images are assured with the 8MP (3840 x 2160), 4K image sensor. EXIR 2.0 technology enhances night time performance.

Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.027 lux @(F2.0, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Supported
Lens	102° (2.8 mm), 79° (4 mm), 50° (6 mm), 40° (8 mm)
Lens Mount	M12
Iris	F1.6
3-Axis Adjustment	Pan: 0° to 360°; Tilt: 0° to 90°; Rotate: 0° to 360°
Day & Night	IR Cut Filter
DNR	3D DNR
Wide Dynamic Range	120 dB

Compression Standard	
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264; sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG; third stream: H.265+ / H.265 / H.264+ / H.264
H.264 Type	Main profile / high profile
H.264+	Support
H.265 Type	Main profile
H.265+	Support
Video Bit Rate	32 Kbps to 16 Mbps

Image	
Maximum Resolution	3840 × 2160
Main Stream	20 fps (3840x2160); 30 fps (2560×1920, 2560×1440, 1920×1080, 1280×720)
Sub Stream	30 fps (640 × 360, 352 × 240)
Third Stream	30 fps (1280 ×720, 640 × 360, 352 × 240)
Image Enhancement	BLC / 3D DNR
Image Settings	Rotate mode supported. Brightness, contrast, saturation, and sharpness are adjustable via web browser and client software
ROI (Region of Interest)	Separate support for one fixed region in main and sub streams
Day / Night Switch	Auto / scheduled

Network

Network Storage	Support for microSD / SDHC / SDXC card (128G), local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter

Interface

Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD / SDHC / SDXC slot, up to 128 GB

Smart Feature Set

Behavior Analysis	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection
Line Crossing Detection	Cross a pre-defined virtual line, up to 1 pre-defined virtual line supported
Intrusion Detection	Enter and loiter in a pre-defined virtual region, up to 1 pre-defined virtual region supported
Object Removal Detection	Objects removed from a pre-defined region, such as exhibits on display
Unattended Baggage Detection	Objects left over in the pre-defined region such as baggage, purses, and dangerous materials
Face Detection	Human face appears in the image can be detected and trigger linkage

General

Operating Conditions	-22° F to 140° F (-30° C to 60° C), Humidity 95% or less (non-condensing)
Power	12 VDC ± 25%, 7 W; PoE (802.3af, class 3), 7.5 W
IR Range	Up to 100 ft (30 m)
Protection Level	IP67
Dimensions	Camera: Ø 2.76"x6.1" (Ø 70x155.03 mm); Package: 8.5"x4.76"x4.65" (216 mm x121 mmx118 mm)
Weight	0.9 lbs (410 g)

Unit: mm