



8 MP IR Fixed-focal Turret Network Camera

MPIX-80IRBFTAI



Features:

- 8 MP 1/1.8" CMOS image sensor, low illuminance, high image definition
- Output max. 8 MP (3840× 2160) @30 fps
- Max. IR distance: 50m/164.0ft
- ROI, SMART H.264 +/H.265+, AI H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Supports max. 256 GB Micro SD card, Built-in Mic
- 12 VDC/PoE power supply
- IP67 protection
- Motion Detection

Intelligence:

- Fenced Area protection - Line Crossing; Intrusion
- Face Detection
- Face Attributes
- People Counting



FREE Multisite VMS Software
Download it from www.watchnetinc.com

Optional Brackets



BRACK-WM-49
Wall Mount



BRACK-BB-43
Back Box



BRACK-PM-06
Pendant Mount



Model		MPIX-80IRBFTAI			
Camera					
Image Sensor		1/1.8" CMOS			
Max. Resolution		3840 (H) × 2160 (V)			
ROM/RAM		128MB / 1GB			
Scanning System		Progressive			
Min. Illumination		0.004 Lux@F1.4 (Color, 30IRE) 0.0004 Lux@F1.4 (B/W, 30IRE) 0 lux (Illuminator on)			
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s			
S/N Ratio		>56dB			
Illumination Distance		50m (164.0ft)			
Illuminator On/Off Control		Auto; Manual			
Illuminator Number		2 (IR)			
Pan/Tilt/Rotation Range		Pan: 0°–360°/Tilt: 0°–78°/Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Lens Mount		M16			
Focal Length		2.8 mm			
Max. Aperture		F1.4			
Field of View		Horizontal 111°; Vertical 59°; Diagonal 131°			
Iris Control		Fixed			
Close Focus Distance		1.8 m (5.9 ft)			
DORI	Detect	Observe	Recognize	Identify	
	85.4m (280.2ft)	34.2m (112.2ft)	17.1m (56.1ft)	8.5m (27.9ft)	
Smart Event					
IVS		Abandoned object; missing object			
Heat Map		Yes			
Professional, intelligent					
Fenced Area Protection		Line crossing, intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			
Face Detection		Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes (gender, age, glasses, expressions, mask, and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); face snapshot set as face or one-inch photo; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting.			
People Counting		Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.			
Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.			

Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+/H.264+
Video Frame Rate	Main stream: 3840× 2160 (1 fps–25/30 fps) Sub stream: D1 (1 fps–25/30 fps) Third stream: 1080p (1 fps–25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Resolution	3840 × 2160; 3072 × 2048; 3072 × 1728; 2592 × 1944; 2688 × 1520; 2048 × 1536; 2304 × 1296; 1080p (1920 × 1080); 1.3 M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 3 kbps–20480 kbps / H.265: 3 kbps–20480 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC / HLC	Yes / Yes
WDR	120dB
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 4M resolution and lower)
Mirror	Yes
Privacy Masking	8 areas
Audio	
Built-in MIC	Yes
Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; scene changing; intrusion; line crossing; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI, P2P
User/Host	20 (Total bandwidth: 80 MB)
Storage	FTP; SFTP; Micro SD card (support max. 256GB); NAS
Browser	IE: IE 8 and later Chrome Firefox
Mobile Client	iOS; Android
Certification	
Certification	CE, FCC

Power	
Power Supply	12 VDC ($\pm 30\%$)/PoE (802.3af)/ePoE
Power Consumption	Basic power consumption: 3.7W (12V DC); 4.6W (PoE) Max. power consumption (H.265 + max. stream + intelligent function + IR LED): 6.7W (12 VDC); 7.8W (PoE)
Environment	
Operating Temperature	-40°C to +60°C (-40°F to +140°F)/ Less than 95% RH
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67
Structure	
Casing Material	Metal
Product Dimensions	104.4 mm \times Φ 121.9 mm (4.11" \times Φ 4.80")
Net Weight	500g (1.1lb)
Gross Weight	680g (1.5lb)

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