



PRO SERIES



MPIX-50VDV-IRMLRAI

SMP IR Vari-focal AI Dome Network Camera



Features:

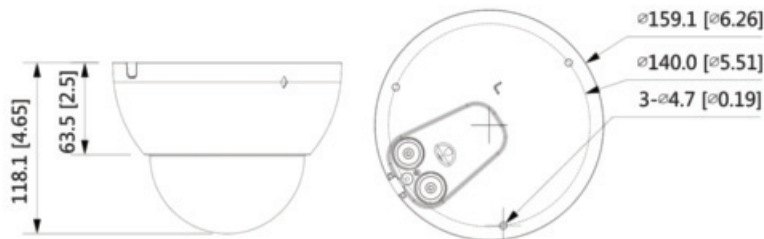
- CE FCC
- 1/2.7" 5 Megapixel progressive scan CMOS
- 7 mm–35 mm motorized lens
- SENSEFIER Technology
- 20 fps@2592 × 1944, 50/60 fps@1080P (1920 × 1080)
- 1/1 Alarm in/out, 1/1 audio in/out
- Built-in IR LED, max. IR distance: 80m/262ft
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- WDR (120dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Supports max. 256GB Micro SD card
- Dual Power DC 12V (±30%), AC 24V (±30%), PoE (802.3af)
- IP67, IK10 protection

AI Functions:

- Face Detection
- Fenced Area Protection
- Line Crossing (Person & Vehicle Classification)
- People Counting



FREE Multisite VMS software
Download from www.watchnetinc.com



Optional Brackets



BRACK-BB-63
Junction Back Box



BRACK-WM-63
Wall Mount Bracket



BRACK-CMT-44
Pendant Mount Bracket



Model	MPIX-50VDV-IRMLRAI				
Camera					
Image Sensor	1/2.7" 5 Megapixel progressive scan CMOS				
Max Resolution	2592 (H) × 1944 (V)				
Min. Illumination	0.003 Lux@F1.3				
ROM / RAM	1 GB/128 MB				
S/N Ratio	More than 56dB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3 s–1/100000 s				
IR Distance	Distance up to 80m (262ft)				
IR On/Off Control	Auto / Manual				
IR LEDs	3				
Lens					
Lens Type	Motorized vari-focal				
Mount Type	Board-in				
Focal Length	7 mm–35 mm				
Max. Aperture	F1.3(Constant F1.3 throughout the zoom range)				
Angle of View	H: 31°–9°, V: 23°–7° (2592 × 1944) H: 32°–9°, V: 18°–5° (2688 × 1520)				
Aperture Type	Auto (HALL)				
Close Focus Distance	0.4 m–2.0 m (1.31 ft–6.56 ft)				
Artificial Intelligence					
Face Detection	Face detection; track; optimization; snapshot; report high quality picture; face enhancement; face exposure; face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear), mask, beard; face matting setting: face, single inch photo;three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting Line Crossing, Intrusion (Recognition of human and vehicle)				
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				
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.				
General Intelligence					
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly				
General Intelligence	Object Abandoned/Missing				
Heat Map	Yes				
Audio					
Audio Compression	G.711a, G.711Mu, G.726, AAC, G.723				
Interface					
Audio Interface	1/1 channel In/Out				
Alarm	1 channel In: 5mA 5V DC / 1 channel Out: 300mA 12V DC				
Dori Distance	Lens	Detect	Observe	Recognize	Identify
	W	190m (623ft)	76m (249ft)	38m (125ft)	19m (62ft)
	T	620m (2034ft)	248m (814ft)	124m (407ft)	62m (203ft)

* All product names, logos and brands are property of their respective owners. All company products and service names used on this box/website/brochure are for identification purposes only. Use of these names, logos and brands does not imply endorsement.
2021 WatchNET Inc. © All Rights Reserved. All product specifications are subject to change without notice.

Video	
Compression	H.265,H.264,H.264B,H.264H, MJPEG (only supported by sub stream)
Smart Codec	Smart H.265+/ Smart H.264+
Video Frame Rate	Main stream: 2592 × 1944 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) 1920 × 1080 (1 fps–50/60 fps) Sub stream: D1 (1 fps–20/30 fps) D1 (1 fps–50 fps) Third stream: 1080P (1 fps–17 fps)
Stream Capability	3 streams
Resolution	2592×1944 / 2688×1520/2560×1440 / 2304×1296/1080P (1920×1080) / 1.3M (1280×960) / 720P (1280×720) / D1 (704×576 / 704×480) / VGA (640×480) / CIF (352×88 / 352×240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps / H.265: 19 Kbps–8192 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC Mode	BLC/HLC/WDR (120dB)
EIS	Yes
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (Rol)	Yes (4 areas)
Smart Illumination	Yes
Flip	0°/90°/180°/270°
Mirror/Defog	Yes/Yes
Privacy Masking	Off/On (4 Area, Rectangle)
Alarm	
Alarm Event	No SD card; SD card full;SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; Defocus Detection; scene changing; intrusion; line crossing; abandoned object; missing object; fast moving;parking detection; loitering detection; people gathering; audio detection; people counting; face detection; People counting in area; Stay alarm; People No. exception detection; Queue Management
Network	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Yes
Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTPC ;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
Interoperability	ONVIF(Profile S/Profile G); P2P
User/Host	20 users
Storage	FTP; SFTP; Micro SD Card (support max. 256GB); NAS
Smart Phone	IOS, Android
Power	
Power Supply	DC 12V (±30%), AC 24V (±30%), PoE (802.3af)
Power Consumption	<12.4W
Environmental	
Operating Conditions	-30° C to +60° C (-22° F to +140° F)/Less than 95% R
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67; IK10
Construction	
Casing	Metal
Dimensions	Φ159.0mm × 117.9mm (6.26" × 4.64")
Net/Gross Weight	0.95 kg (2.09 lb) / 1.20 kg (2.65 lb)

CANADA:
351 Ferrier Street, Unit 5
Markham, ON L3R 5Z2
Toll Free: 1-866-843-6865
Tel: 416-410-6865

USA:
171 Cooper Ave. Suite 110
Tonawanda, NY 14150 USA
Toll Free: 1-866-843-6865
Local: 1-716-877-7277

UAE:
P O Box 126312
No 703, Oxford Towers
Business Bay, Dubai, UAE
Tel: +971 4 2767117

Jan. 26, 2021

info@watchnetinc.com
www.watchnetinc.com