

WatchNET®

Security Since 2000

MPIX Camera



PRO SERIES



MPIX-50VDV-IRMAI

SMP IR Vari-focal Dome Network Camera

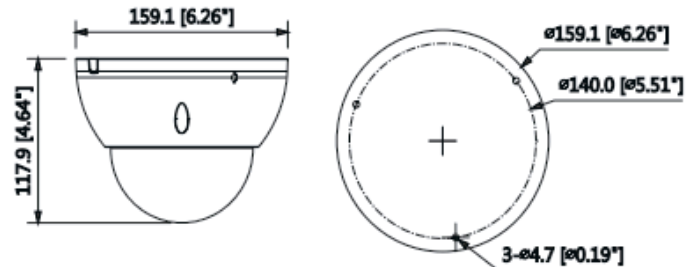


CE FC Features:

- 1/2.7" 5Megapixel progressive scan CMOS
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environment
- 20 fps@2592 × 1944, 50/60 fps@1080P(1920 × 1080)
- WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- 2.7 mm–13.5 mm motorized lens
- 1/1 Alarm in/out, 1/1 audio in/out
- Smart IR
- Max. IR LEDs Length 40m/131ft
- Micro SD card 256 GB, IP67, IK10
- Supports Electronic Image Stabilization (EIS)
- Multiple network monitoring:
Built-in web server & Multifunction VMS
- Smart phones compatible
- Pro AI Functions:**
 - Face Detection
 - Fenced Area protection
 - People Counting Functions
 - Line Crossing (Person & Vehicle Classification)



FREE Multisite VMS Software
Download from www.watchnetinc.com



Model		MPIX-50VDV-IRMAI			
Camera					
Image Sensor	1/2.7" 5Megapixel progressive scan CMOS				
Effective Pixels	2592 (H) × 1944 (V)				
RAM/ROM	1 GB / 128 MB				
Min. Illumination	0.005 lux@F1.5 (Color, 30 IRE) 0.0005 lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)				
Electronic Shutter Speed	Auto/Manual, 1/3 s–1/100000 s				
S/N Ratio	> 56 dB				
Scanning System	Progressive				
IR Distance	Up to 40m (131ft)				
IR On/Off Control	Auto / Manual				
IR LEDs	3				
Lens					
Lens Type	Motorized vari-focal				
Focal Length	2.7mm–13.5m motorized lens				
Max. Aperture	F1.5				
Angle of View	H: 100°–28°, V: 72°–21° (2592 × 1944) H: 104°–29°, V: 55°–16° (2688 × 1520)				
Mount Type	Board-in Type				
Aperture Type	Auto				
Close Focus Distance	0.8m (2.62ft)				
Professional, intelligent					
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				
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	Supports the counting of enter number, leave number, and pass number, and displaying and outputting yearly/monthly/daily reports. Supports the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Supports queue management, and 4 rules configuration. Count number of people or stay time and link alarm				
Smart Event					
IVS	Object Abandoned/Missing				
Heat Map	Yes				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64m(210ft)	26m(85ft)	13m(43ft)	6m(20ft)
	T	212m(696ft)	85m(279ft)	42m(138ft)	21m(69ft)

Video	
Compression	H.265,H.264,H.264B,H.264H, MJPEG (only supported by sub stream)
Smart Codec	Smart H.265+ / Smart H.264
Streaming 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 × 288/352 × 240)
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)
Bit Rate Control	CBR/VBR
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 (120 dB)
Scene Self-adaptation (SSA)	Yes
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off/On (4 Zone, Rectangle)
Region of Interest	Off/On (4 Zone)
EIS	Yes
Smart Illumination	Yes
Defog	Yes
Flip	0°/90°/180°/270°
Mirror	Off/On
Privacy Masking	8 areas
Audio	
Audio Compression	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; 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; voltage detection; People counting in area; Stay alarm; People No. exception detection; Queue Management
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; Bonjour

Interoperability	ONVIF (Profile S/Profile G/Profile T), CGI, P2P
User/Host	20 Users
Storage	NAS; FTP; SFTP; Micro SD card 256 GB
Browser	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)
Mobile Phone	iOS, Android
Interface	
Audio Interface	1/1 channel In/Out
Alarm	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Electrical	
Power Supply	DC 12V (±30%)/AC 24V (±30%)/PoE (802.3af)/PoE
Power Consumption	Basic power consumption: 4.9W (12V DC); 5.1W (24V AC); 5.2W (PoE) Max. power consumption (max. stream + intelligent function + IR LED + focus): 12.4W (12V DC); 11.9W (24V AC); 11.6W (PoE)
Environmental	
Operating Conditions	-30°C ~ +60°C (-22°F ~ +140°F) Less than 95%RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress protection	IP67
Vandal resistance	IK10
Construction	
Casing	Metal
Dimensions	Φ159.0 mm × 117.9 mm (6.26" × 4.64")
Net Weight	0.95 kg (2.09 lb)
Gross Weight	1.20 kg (2.65 lb)



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