



WatchNET  
MPIX



MPIX-50VDF-IR28AI

## SMP Lite AI IR Fixed focal Dome Network Camera

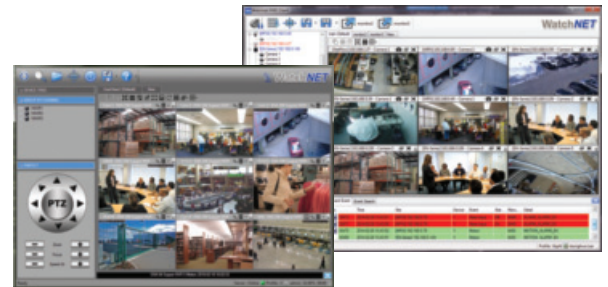


### Features:

- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 5MP (2592 × 1944)@20 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50m/164ft
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tempering, scene changing, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card
- 12V DC/POE power support
- IP67, IK10 protection

### AI Functions:

- Fenced Area protection
- AI Motion Detection
- Line Crossing (Person & Vehicle Classification)



FREE Multisite VMS Software  
Download it from [www.watchnetinc.com](http://www.watchnetinc.com)



Optional Brackets:



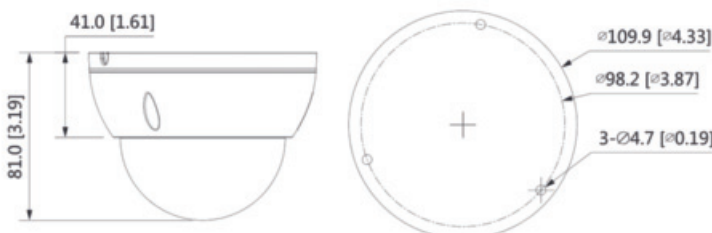
BRACK-BB-44



BRACK-WM-48



BRACK-PM-06



iPhone



Model	MPIX-50VDF-IR28AI
<b>Camera</b>	
Image Sensor	1/2.7" 5Megapixel progressive CMOS
Effective Pixels	2592 (H) × 1944 (V)
RAM/ROM	128 MB / 512MB
Min. Illumination	0.005 Lux@F1.6
Electronic Shutter Speed	Auto/Manual 1/3 s~1/100000 s
IR Distance	50m (164ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	3 (IR LEDs)
<b>Lens</b>	
Max Aperture	F1.6
Focal Length	Fixed 2.8mm lens
Optical Zoom	N/A
Mount Type	M12
Angle of View	Horizontal: 98°; vertical: 72°; diagonal: 130°
Close Focus Distance	0.9m/3ft
Aperture Type	Fixed
<b>Video</b>	
Compression	H.265; H.264; H.264H; H.264B; MJPEG
Smart Codec	Yes
Resolution	5M (2592 × 1944); 4M (2688 × 1520); 3M (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	<b>Main Stream:</b> (2592 × 1944@1–20 fps) (2688 × 1520@1–25/30 fps) <b>Sub Stream:</b> (704 × 576@1–25 fps/ 704 × 480@1–30 fps) <b>Third Stream:</b> 1280 × 720@1–25/30 fps
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
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)
Digital Zoom	N/A
Flip	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution)
Mirror	Yes
Privacy Masking	Off / On (4 Area, Rectangle)

Professional Intelligence	
Fenced Area Protection	Line Crossing, Intrusion (Human & Vehicle classification)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
<b>Network</b>	
Ethernet	RJ-45 (10/100 Base-T)
Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
Interoperability	ONVIF(Profile S/Profile G/Profile T); P2P
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Scene Self-adaptation	Yes
Max. User / Host	20 Users (Total bandwidth: 64 M)
Edge Storage	FTP; SFTP; Micro SD Card (support max. 256GB); WatchNET Cloud; NAS
<b>Interface</b>	
Video Interface	N/A
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
<b>Electrical</b>	
Power supply	12V DC/PoE (802.3af)
Power Consumption	<7.3W
<b>Environmental</b>	
Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / less than≤95%
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F)
Ingress protection	IP67
Vandal resistance	IK10
<b>Construction</b>	
Casing	Metal
Dimensions	81 mm × φ109.9 mm (3.2" × φ4.3")
Net Weight	378 g (0.8 lb)
Gross Weight	523 g (1.2 lb)

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Nov. 11, 2019

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