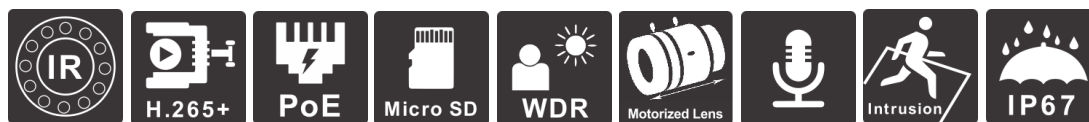




### MPIX-80DVAI

## 8 Megapixel IR Varifocal Dome Network Camera



### KEY FEATURES:

- 8-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 8 MP (3840 × 2160) @20 fps, and supports 2688 × 1520 (2688 × 1520) @25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. illumination distance is 40 m.
- ROI, SMART 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.
- Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.
- 12v DC/PoE power supply, easy for installation.
- Smart Motion Detection Plus.
- IP67, IK10 protection.

CAMERA	
Image Sensor	1/2.7" CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. illumination	0.008 lux@F1.5 (Color, 30 IRE) 0.0008 lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	Up to 40 m (131.23 ft) (IR)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–67° Rotation: 0°–355°

LENS	
Lens Type	Motorized vari-focal
Lens Mount	φ14
Focal Length	2.7 mm–13.5 mm
Max. Aperture	F1.5
Field of View	H: 113°–31°; V: 58°–18°; D: 138°–36°
Iris type	Fixed
Close Focus Distance	0.8 m (2.62 ft)

DORI DISTANCE				
Lens	Detect	Observe	Recognize	Identify
W	85.3 m (279.86 ft)	34.1 m (111.88 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)
T	280.0 m (918.64 ft)	112.0 m (367.45 ft)	56.0 m (183.73 ft)	28.0 m (97.86 ft)

NETWORK	
Network	RJ-45 (10/100 Base-T)
SDK & API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour; P2P
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI
User/Host	20 (Total bandwidth: 48 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE; Chrome; Firefox
Mobile Client	iOS; Android
Cyber Security	Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification

AUDIO	
Audio Compression	G.711a; G.711Mu; PCM; G.726
Built-in MIC	Yes

POWER	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.4w (12vDC); 3w (PoE) Max. (H.265+ max. resolution + max. stream+ WDR + IR intensity + IVS): 6.1w (12vDC); 7.3w (PoE)

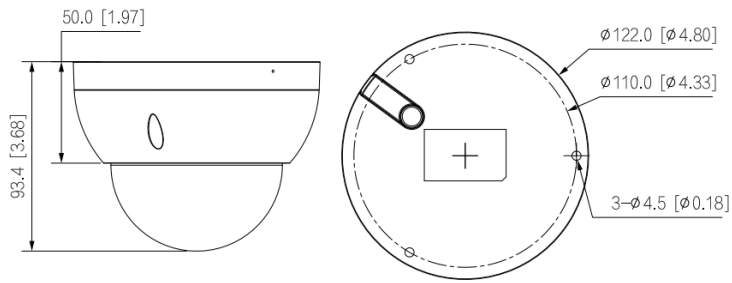
VIDEO	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: 2960 × 1668 @(1–20 fps)/2688 × 1520@(1–25/30 fps) sub stream: 704 × 576 @ (1–25 fps)/704 × 480 @(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	2 streams
Resolution	2960 × 1668 (2960 × 1668); 2880 × 1620 (2880 × 1620); 2688 × 1520 (2688 × 1520); 3M (2048 × 1536); 2304 × 1296 (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)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 12 kbps–8192 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	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)
Smart Illumination	Yes
Region of Interest	Yes (4 areas)
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution & lower)
Mirror	Yes
Privacy Masking	4 areas

ADVANCED INTELLIGENCE	
Fenced Area Protection	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

ENVIRONMENT	
Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	≤95%
Storage Temperature	–40°C to +60°C (–40°F to +140°F)
Protection	IP67,IK10

ALARM	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; defocus detection; external alarm; Smart motion detection; security exception

STRUCTURE	
Casing Material	Metal
Product Dimensions	93.4 mm × Φ122 mm (3.68" × Φ4.80")
Gross Weight	0.66 kg (1.46 lb)
Net Weight	0.67 kg (1.48 lb)



ACCESSORIES	
BRACK-BB-48	
BRACK-WM-48	
BRACK-PM-06	



WatchNET



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

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

**MIDDLE EAST:**  
 PO Box No 126312  
 Office Suite 703 Oxford Tower  
 Business Bay Dubai, UAE  
 Tel: + 971 4 2767117

[www.watchnetinc.com](http://www.watchnetinc.com)  
[info@watchnetinc.com](mailto:info@watchnetinc.com)