

WatchNET BLZ

5MP NDAA Camera



CE FC



BLZ-5DVM

5 Megapixel IR Pro AI Vari-Focal Dome Camera



KEY FEATURES:

- **5MP 1/2.7" CMOS Sensor** for clear and detailed imaging
- **H.264+ and H.265+ Compression** for efficient video encoding
- **Infrared Range:** Up to 40 meters with built-in IR LED for enhanced night vision
- **Perimeter Protection:** Advanced motion detection with SMD (Smart Motion Detection) support
- **Face Detection, Smart Object Detection, and People Counting** for intelligent surveillance
- **Supports up to 256GB Micro SD Card** for ample local storage
- **Lens:** 2.7 mm–13.5 mm 5x zoom lens for flexible viewing angles
- **Power Supply:** 12 VDC or Power over Ethernet (PoE) support
- **IP67 & IK10 Rating:** Weatherproof and dustproof for reliable outdoor use

CAMERA	
Image Sensor	1/2.7" CMOS
Max. Resolution	5MP, 2880 (H) × 1620 (V)
Scanning System	Progressive
Electronic Shutter	Auto/Manual 1/3 s–1/100,000 s
Min. illumination	0.002Lux(Color); 0.0002Lux (B/W); 0Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR Distance 40 m
Illuminator Control	Auto; Manual

LENS	
Lens Type	Motorized Vari-Focal
Focal Length	2.7 mm–13.5 mm
Max. Aperture	F1.6
Field of View	Horizontal: 99°–28° Vertical: 71°–21° Diagonal: 134°–35°
Distance	Detect Observe Recognise Identify
	W 68m/223ft 27m/89ft 14m/49ft 7m/23ft
	T 193m/633ft 77m/253ft 39m/128ft 19m/62ft

VIDEO	
Compression	H.264H; H.264M; H.264B; H.265
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps
Stream Capability	3 Streams
Video Frame Rate	Main Stream: 5MP (1 fps–25/30 fps) Sub Stream: D1 (1 fps–25/30 fps) Third Stream: 720P (1 fps–25/30 fps)
Day/Night	Color/B/W
BLC, HLC	Yes
White Balance	Yes
Gain Control	Auto/Manual
WDR	120 dB
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 Areas, rectangular)
Image Rotation	180°
Mirror	Yes
Privacy Masking	4 Areas

ALARM	
Arming/Disarming	NA
Sound Alarm	Yes
Light Alarm	NA
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error

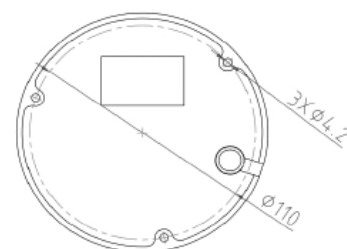
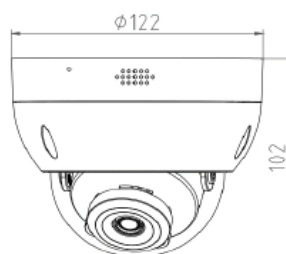
AUDIO	
Built-in Mic	Yes
Built-in Speaker	Yes
Two-way talk	Yes
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF

SMART FUNCTION	
Intelligent Analysis	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)
Motion Detection	Yes
AI Search	Work together with NVR
Face Detection	Yes
People Counting	Yes
Heat Map	Yes
Video Metadata	NA

NETWORK	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP
Interoperability	ONVIF; CGI; P2P(Optional)
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (support max. 256 G/FAT32)
Browser	IE: IE8 and later; Chrome; Firefox
Mobile Client	IOS; Android
Management Software	eVMS-BLZ

ENVIRONMENT	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 2.5 W; Max: 6.2W
Operating Conditions	–30°C to +60°C (–22°F to +140°F)/Less than 95% RH
Storage Conditions	–40°C to +60°C (–40°F to +140°F)
Protection Grade	IP67 & IK10
Casing	Metal
Dimensions	102 mm × Φ122 mm
Net Weight	520g

Audio I/O	
Alarm I/O	



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*All product specifications on this brochure are subject to change without notice.

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