WatchNET BLZ

NDAA COMPLIANT

CE FC

BLZ-4D180

4 Megapixel Dual Sensor Panoramic turret camera with Dual Light and Active Deterrence

WDR | Line Crossing | ICR | IR | IP67 | Face Detection | Mic. Speaker | Heat Map

KEY FEATURES:

- Dual **4MP** 1/1.8" CMOS sensors for high-definition imaging

- **H.264+ and H.265+ Compression** for efficient video encoding

- **Infrared Range:** Up to 40 meters for clear night vision

- **Warm Light Range:** Up to 40 meters, ensuring optimal visibility in low light

- **Perimeter Protection:** Advanced motion detection with SMD (Smart Motion Detection) support

- **Face Detection and Smart Object Detection** for enhanced security

- **Built-in Mic & Speaker** with Red and Blue LED indicators for added functionality

- **White Light Alarm and Sound Alarm** support for proactive security measures

- Supports up to **256GB Micro SD Card** for ample storage

- **Lens:** 3.6mm fixed lens

- **Power Supply:** 12 VDC or Power over Ethernet (PoE) support

- **IP67 Rating:** Weatherproof and dustproof for reliable outdoor use

CAMERA

Image Sensor	2 x 4MP 1/1.8" CMOS
Max. Resolution	8MP, 5120 (H) × 1520 (V)
Scanning System	Progressive
Electronic Shutter	Auto/Manual 1/3 s–1/100,000 s
Min. illumination	0.0007 lux@F1.6(Color, 30 IRE),0.0004 lux@F1.6 (B/W, 30 IRE),0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR distance 40m, Warm light distance 40m 2 IR LED + 2 White LED
Illuminator Control	Auto; Manual

LENS

Lens Type	Fixed lens
Focal Length	3.6mm
Max. Aperture	F1.6
Field of View	Horizontal: 0°-180°,Vertical:0°-90°,Diagonal:0°-180°

VIDEO

Compression	H.264H; H.264M; H.264B; H.265 MJPEG (Customization)
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Bit Rate Control	CBR/VBR
Bit Rate	H.264: up to 16384 kbps; H.265: up to 16384 kbps
Stream Capability	3 Streams
Video Frame Rate	Main Stream: 5120 × 1520@(1–25/30 fps) Sub Stream: 2048X576 @(1–25/30 fps) Third Stream: 2048X576 @(1–25/30 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)
Mirror	Yes
Privacy Masking	4 Areas

ALARM

Arming/Disarming	Yes
Sound Alarm	Yes
Light Alarm	Red and Blue LED
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error

AUDIO

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

SMART FUNCTION

Intelligent Analysis	Intrusion, Tripwire, loitering detection; people gathering; Parking detection (Support the classification of Vehicle, Human and Non-Motor)
Motion Detection	Support
AI Search	Work together with NVR
Face Detection	Face detection; track; snapshot; snapshot optimization
Object Detection	Abandoned object; Missing object
Heat Map	Support

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	16 (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

PORT

Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel
Alarm Output	1 channel
RS485	Support

ENVIRONMENT

Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 4 W ;Max. 14W
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
Casing	Metal
Dimensions	Φ124 mm × 137 mm
Net Weight	990g

ACCESSORIES

BLZ-BB-140	
BLZ-WM-140	