



Features

- ATEX/IECEx certified; Ex db IIC T6 Gb / Ex tb IIIC T80°C Db explosion-proof marking
- Rated for Gas Zone 1 & Zone 2 (Groups IIA, IIB, IIC; Temperature Classes T1~T6); Dust Zone 21 & Zone 22
- 1/2.8" progressive scan CMOS image sensor outputs maximum 8MP (3840 × 2160) resolution @ 20 fps
- 2.8–12 mm motorized AF zoom lens
- Up to 60 m (197 ft) IR distance
- Ultra 265, H.265, H.264, and MJPEG video compression
- LightHunter technology ensures ultra-high image quality in low-light conditions
- 120 dB True WDR for clear imaging in high-contrast light scenes
- Smart intrusion prevention with perimeter protection
- Intelligent People Flow Counting and Crowd Density Monitoring
- Integrated alarm and audio I/O interfaces
- On-board storage supporting MicroSD cards up to 256 GB
- Power over Ethernet (PoE) support
- IP66, IP68 (2m 2h), IP69 enclosure protection rating
- Housing available in 304 or 316L stainless steel, with an optional electropolished paint finish or corrosion-resistant coating

Available Models

MODEL	MATERIAL
2MEBS04-IP4KZ	304 Stainless Steel
2MEBS16-IP4KZ	316L Stainless Steel

Specifications

CAMERA			
Image Sensor		1/2.8" 8 Megapixel progressive scan CMOS	
Minimum Illumination		Color: 0.0025 lux (F1.6, AGC ON) 0 lux with IR on	
Day/Night		IR-cut filter with auto switch (ICR)	
Shutter		Auto/Manual 1 sec. to 1/100,000 sec.	
WDR		120 dB	
S/N		>56 dB	
LENS			
Lens Type		AF (automatic focusing) and motorized zoom lens	
Focal Length		2.8–12 mm	
Iris		Fixed	
Field of View	Horizontal	107.4°–29.2°	
	Vertical	54.2°–16.3°	
	Diagonal	111°–33.1°	
DORI Distance	Lens	2.8 mm	12 mm
	Detect	86.9 m (285 ft)	372.4 m (1222 ft)
	Observe	34.8 m (114 ft)	149 m (489 ft)
	Recognize	17.4 m (57 ft)	74.5 m (244 ft)
	Identify	8.7 m (28.5 ft)	37.2 m (122 ft)
ILLUMINATOR			
IR Range		Up to 60 m (197 ft)	
Wavelength		850 nm	
IR On/Off Control		Auto/Manual	
VIDEO			
Video Compression		Ultra 265, H.265, H.264, MJPEG	
H.264 Code Profile		Baseline profile, Main profile, High profile	

Specifications

Video Frame Rate	Main Stream	8MP (3840 × 2160), Max. 20 fps; 5MP (3072 × 1728), Max. 30 fps; 4MP (2560 × 1440), Max. 30 fps; 1080P (1920 × 1080), Max. 30 fps
	Sub Stream	1080P (1920 × 1080), Max. 30 fps; 720P (1280 × 720), Max. 30 fps; D1 (720 × 576), Max. 30 fps; 640 × 360, Max. 30 fps; 2CIF (704 × 288), Max. 30 fps; CIF (352 × 288), Max. 30 fps
	Third Stream	D1 (720 × 576), Max. 30 fps; 640 × 360, Max. 30 fps; 2CIF (704 × 288), Max. 30 fps; CIF (352 × 288), Max. 30 fps
Streams		Triple streams
U-Code		Supported
Video Bit Rate		128 Kbps to 16 Mbps
OSD		Up to 8 OSDs
Privacy Mask		Up to 4 areas
ROI		Up to 8 areas
IMAGE		
White Balance		Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2
Smart IR		Supported
Flip		Normal, Vertical, Horizontal, 180°, 90° Clockwise, 90° Counter-clockwise
Dewarping		Supported
HLC		Supported
BLC		Supported
Defog		Digital defog
INTELLIGENT		
Smart Intrusion Prevention		Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Statistical Analysis		People counting; people flow counting and crowd density monitoring

EVENTS

Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication

AUDIO

Audio Compression	G.711
Audio Bitrate	64 Kbps
Two-Way Audio	Supported
Suppression	Supported
Sampling Rate	8 KHz

NETWORK

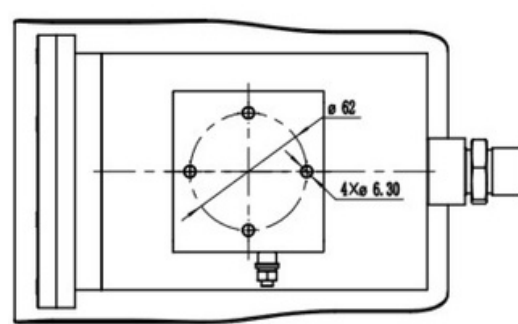
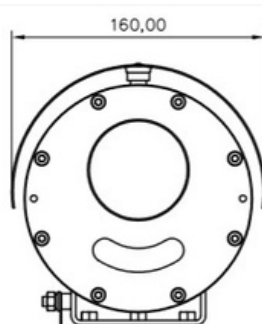
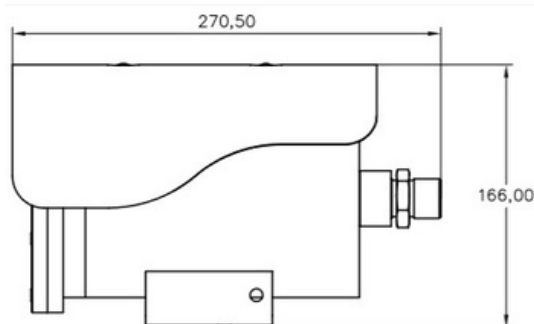
Protocols		IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration		ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Users	Up to 32 users
	User Levels	2 levels: administrator and common user
Security		Password protection, strong password, HTTPS encryption, Export operation logs, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client App		EZStation, EZView, EZLive
Web Browser	Plugin Live View	IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
	Plugin-Free Live View	Chrome 57 and above, Firefox 58 and above, Edge 16 and above

Specifications

STORAGE		
Edge Storage		MicroSD card up to 256 GB
Network Storage		ANR, NAS (NFS)
INTERFACE		
Audio I/O	Input	impedance 35kΩ; amplitude 2V [p-p]
	Output	impedance 600Ω; amplitude 2V [p-p]
Alarm I/O		1/1
RS485		N/A
Built-In Mic		N/A
Built-In Speaker		N/A
Wi-Fi		N/A
Network		1 × RJ45 10M/100M Base-TX Ethernet
Video Output		N/A
CERTIFICATION		
Certifications		ATEX, IECEx certified
Explosion-Proof Certification		DNV 22 ATEX 51565X IECEx DNV 22.0097X
Explosion-Proof Marking	ATEX	Ⓔ II 2G Ex db IIC T6 Gb Ⓔ II 2D Ex tb IIIC T80°C Db
	IECEx	Ex db IIC T6 Gb / Ex tb IIIC T80°C Db

POWER		
Power Supply		12V DC ±25%, PoE (IEEE 802.3af)
Power Consumption		Max. 10.5 W
Surge Protection		6 KV
ENVIRONMENT		
Operating Conditions	Temperature	-40°C to +60°C (-40°F to +140°F)
	Humidity	≤95% RH (non-condensing)
Storage Conditions	Temperature	-30°C to +60°C (-22°F to +140°F)
	Humidity	≤95% RH (non-condensing)
GENERAL		
Housing Material		304 / 316L Stainless Steel
Ingress Protection		IP66, IP68 (2m/2h), IP69
Pigtail Cable		2 m standard combined cable (power+UTP)
Dimensions (L × W × H)		270.5 mm × 166 mm × 160 mm (10.6" × 6.5" × 6.3")
Net Weight		5.6 kg (12.34 lb)
Gross Weight		6.5 kg (14.33 lb)
Reset Button		N/A
Bracket		Wall bracket with adapter

Camera Dimensions – [mm]



Accessories

Wall bracket with adapter



MODEL	2MEWB04	2MEWB16
Material	304 Stainless Steel	316L Stainless Steel
Maximum Load	20 kg (44.1 lb)	
Gross Weight	2.5 kg (5.5 lb)	

Bracket Dimensions – [mm]

