



Features

- ATEX, IECEx certified for:
 - Gas Zone 1, Zone 2
 - Dust Zone 21, Zone 22
- Exd II CT6 Gb/ Ex tD A21 IP68 T80°C hazardous rating
- Powerful 32x optical zoom and accurate pan/tilt zoom performance
- 1/2.8" 4 Megapixel STARVIS™ CMOS; Max. 25/30 fps @4MP
- All-in-one solution for capturing long distance video surveillance for outdoor applications
- Starlight technology fits for dark, low-light applications
- True WDR for applications with direct sunlight or glare
- Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc.
- Automatically tracks an object in motion and keep it in the scene
- Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression
- Supports PoE+
- Stainless steel 304 or 316L
- Optional electropolished or corrosion resistant paint finish
- IP66, IP68 (2m/2h) enclosure protection
- Supports wall and ceiling mounting
- Optical fiber output version available

Applications

The explosion proof speed dome camera is applicable to Zone 1 and Zone 2 hazardous areas where explosive mixture of group IIA, IIB, IIC, T1~T6 gases, vapors and air may exist, Zone 21 and Zone 22 hazardous areas where explosive dust may exist, e.g. refining and chemical industry, oil extraction, gas production, fireworks production, grain production and storage, petrol station, etc.

Available Models

MODEL	MATERIAL
2MEP04-IP4M32X	304 Stainless Steel
2MEP16-IP4M32X	316L Stainless Steel

Specifications

CERTIFICATION		
Certifications		ATEX, IECEx certified
Explosion-Proof Certification		DNV 21 ATEX 38340X IECEx DNV 21.0048X
ATEX Explosion-Proof Marking	With Optical Fiber	Ex II 2 G Ex db op pr IIC T6 Gb Ex II 2 D Ex tb op pr IIIC T80 °C Db
	Without Optical Fiber	Ex II 2 G Ex db IIC T6 Gb Ex II 2 D Ex tb IIIC T80 °C Db
IECEx Explosion-Proof Marking	With Optical Fibre	Ex db op pr IIC T6 Gb Ex tb op pr IIIC T80°C Db
	Without Optical Fibre	Ex db IIC T6 Gb Ex tb IIIC T80°C Db
CAMERA		
Image Sensor		1/2.8" CMOS
Pixel		4MP
Max. Resolution		2560 (H) × 1440 (V)
ROM		4 GB
RAM		1 GB
Electronic Shutter Speed		1/1 s–1/30000 s

Specifications

Min. Illumination	Color	0.005 lux @F1.35
	B/W	0.0005 lux @F1.35
S/N Ratio		≥55 dB
LENS		
Focal Length		4.9–156 mm
Max. Aperture		F1.35–F4.4
Field of View	H	61.6°–2.1°
	V	35.1°–1.3°
	D	68.2°–2.5°
Digital Zoom		16x
Optical Zoom		32x
Focus Control		Auto / Semi-Auto / Manual
Close Focus Distance		1 m–1.5 m (3.28 ft–4.92 ft)
Iris Control		Auto / Manual / Fixed
DORI Distance	Detect	3120 m (10236.22 ft)
	Observe	1232 m (4041.99 ft)
	Recognize	624 m (2047.24 ft)
	Identify	312 m (1023.62 ft)
VIDEO		
Compression		H.265; H.264B; H.264M; H.264H; MJPEG (Sub Stream); H.265+; H.264+
Resolution		4MP (2560 × 1440); 3MP (2048 × 1536); 1080P (1920 × 1080); 720P (1280 × 720); D1 (704 × 576 / 704 × 480); CIF (352 × 288 / 352 × 240)
Frame Rate	Main Stream	4MP / 3MP / 1080P / 1.3MP / 720P (1–25/30 fps)
	Sub Stream 1	D1/CIF (1–25/30 fps)
	Sub Stream 2	720P (1–25/30 fps)
Streaming Capability		3 streams

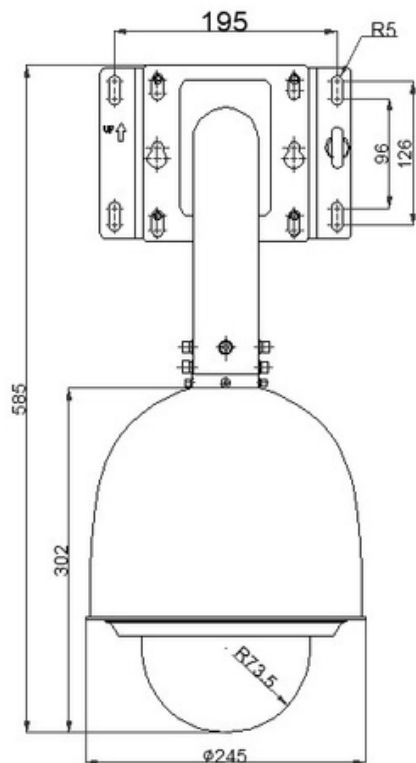
Bit Rate	H.264	3 Kbps–20480 Kbps
	H.265	3 Kbps–20480 Kbps
Bit Rate Control		Variable / Constant
Day/Night		Auto (ICR) / Color / B/W
White Balance		Auto / Indoor / Outdoor / Tracking / Manual / Sodium lamp / Natural light / Street lamp
BLC		Support
HLC		Support
Flip		180°
Gain Control		Auto / Manual
Image Stabilization		Electronic
Defog		Electronic
Digital Noise Reduction		2D/3D DNR
WDR		120 dB
Privacy Masking		Up to 24 areas, and up to 8 areas in the same view
Region of Interest (ROI)		Support
Motion Detection		Support
GENERAL INTELLIGENCE		
Event Trigger		Motion detection, video tampering, scene changing, network disconnection, IP address conflict, illegal access, and storage anomaly
IVS		Object Abandoned/Missing
ARTIFICIAL INTELLIGENCE		
Smart Capture		Human, motor vehicle, and non-motor vehicle image capture
Perimeter Protection		Tripwire & intrusion. Supports alarm triggering by target types (human & vehicle) and filtering false alarms caused by animals, leaves, lights, etc.
Face Detection		Supported

Specifications

Auto Tracking		Supported
SMD PLUS		Supported
NETWORK		
Ethernet		RJ-45 (10/100Base-T)
Protocol		IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
Interoperability		ONVIF (Profile S, Profile G, Profile T); CGI
Streaming Method		Unicast / Multicast
User/Host		20 (total bandwidth 64M)
Browser		IE7 and later versions; Chrome 42 and earlier versions; Firefox 52 and earlier versions; Safari
Management Software		Smart PSS; DSS; DMSS; Easy4ip; IVSS
Mobile Phone		IOS, Android
STORAGE		
Edge Storage		MicroSD card up to 256 GB
Network Storage		FTP, NAS
PTZ		
Pan	Pan Range	0°–360° endless
	Manual Speed	0.1°/s–350°/s
	Preset Speed	500°/s
Tilt	Tilt Range	0°–90° , auto flip 180°
	Manual Speed	0.1°/s–250°/s
	Preset Speed	500°/s
Presets		300
Tour		8 (up to 32 presets per tour)

Pattern		5
Scan		5
Power-Off Memory		Support
Idle Motion		Preset / Tour / Pattern / Scanning
Protocol		DH-SD; Pelco-P/D (auto recognition)
OPTIONAL AUDIO		
Compression		G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G722.1; G729; G723
Two-Way Audio		Supported
OPTIONAL PORT		
Audio I/O	Input	1
	Output	1 (LINE OUT; bare wire)
Alarm I/O		2/1
POWER		
Power Supply		DC 24V/2.5A, PoE+ (802.3at)
Power Consumption		Basic 10W; Max. 16W
ENVIRONMENTAL		
Operating Temperature		-40°C to +60°C (-40°F to +140°F)
Operating Humidity		≤ 95%
Air Pressure		80~110 kPa
Protection		IP66, IP68 (2m/2h)
GENERAL		
Enclosure Material		Stainless Steel 304 or 316L
Sunshade		Supported
Cable Thread Hole		1pcs M27×1.25 or M25×1.5
Dimensions (without bracket)		245 mm × 245 mm × 302 mm (9.6" × 9.6" × 11.9")
Weight (without bracket)		13.5 kg (29.8 lb)

Camera Dimensions – [mm]



with Wall Bracket

Accessories



Wall Bracket



Ceiling Mount Bracket

Ceiling Mount Bracket Dimensions – [mm]

