

# 2MEP04-IP2M33X

2MP IP PTZ Dome Starlight Camera 33x with  
Stainless Steel Explosion proof Housing – 304 Stainless Steel



## Features

- 304 Stainless steel
- Certificate Mark: Exd II C T6 Gb/Ext DA21 IP68 T80°C
- Protection enclosure: IP68
- Starlight illumination
- 33x optical zoom
- Accurate and fast focusing
- Ultra 265, H.265, H.264, MJPEG
- Triple streams
- Embedded smart algorithm
- Customized OSD
- ONVIF Conformance

HOUSING					
<b>Atmospheric Pressure</b>	80KPa ~ 106Kpa				
<b>Ambient Temperature</b>	-25°C ~ 60°C [-4°F ~ 140°F]				
<b>Relative Humidity</b>	< 95% (no condensation)				
<b>Ex-Proof Mark</b>	Exd II CT6 Gb/ Ex tD A21 IP68 T80°C				
MECHANICAL					
<b>Housing</b>	Stainless Steel 304 (also available in 316L)				
<b>Sunshade</b>	Optional				
<b>IP</b>	IP68				
<b>Cable Thread Hole</b>	1pcs G3/4 or NPT3/4				
ELECTRICAL					
<b>Voltage</b>	AC24V (or AC85V~AC265V)				
<b>Power</b>	25W/35W (with thermostat)				
<b>Surge Protection</b>	Optional TVS6000V surge protect				
AMBIENT					
<b>Ambient Temperature</b>	-25°C to 60°C [-13°F to 140°F]				
<b>Air Pressure</b>	80Kpa to 106Kpa				
<b>Relative Humidity</b>	<95% (no condensation)				
GENERAL					
<b>Cable</b>	Integrated cable				
<b>Dimensions (LxWxH)</b>	213 x 213 x 570(mm) [ 8.4" x 8.4" x 22.4" (in)]				
<b>Weight</b>	15kg [33.1lbs]				
<b>Mounted</b>	Wall, Pole				
CAMERA					
<b>Sensor</b>	1/2.8", progressive scan, 2.0 megapixel, CMOS				
<b>Lens</b>	4.5~ 148.5mm, AF automatic focusing and motorized zoom lens				
<b>Digital Zoom</b>	16				
<b>Optical Zoom</b>	33				
<b>DORI Distance</b>	<b>Lens (mm)</b>	<b>Detect (m)</b>	<b>Observe (m)</b>	<b>Recognize (m)</b>	<b>Identify (m)</b>
	<b>4.5</b>	69.8	27.9	14	7
	<b>148.5</b>	2094.8	837.9	419	209.5
<b>Angle of View (H)</b>	62.67°~2.82°				
<b>Angle of View (V)</b>	38.4°~1.3°				
<b>Angle of View (O)</b>	77.1°~3.3°				
<b>Shutter</b>	Auto/Manual; shutter time: 1s ~ 1/100000 s				
<b>Minimum Illumination</b>	Color: 0.001 lux (F1.5, AGC ON); B/W: 0.0001 lux(F1.5, AGC ON)				
<b>Iris</b>	Auto/Manual; F1.5 ~ F4.0				
<b>Day/Night</b>	IR-cut filter with auto switch (ICR)				
<b>Digital noise reduction</b>	2D/3D DNR				
<b>Defog</b>	Digital Defog				
<b>S/N</b>	>52dB				
<b>WDR</b>	120dB				

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VIDEO	
<b>Video Compression</b>	Ultra 265, H.265, H.264, MJPEG
<b>H.264 code profile</b>	Baseline profile, Main Profile, High Profile
<b>Frame Rate</b>	Main Stream: 2MP (1920×1080): Max. 30 fps; Sub Stream: 2MP (1920×1080): Max. 30 fps; Third Stream: D1 (720×576): Max. 30 fps
<b>HLC</b>	Supported
<b>BLC</b>	Supported
<b>EIS</b>	Supported
<b>OSD</b>	Up to 8 OSDs
<b>ROI</b>	Up to 8 areas
<b>Privacy Mask</b>	Up to 24 areas
<b>Motion Detection</b>	Up to 4 areas
SMART	
<b>Behavior Detection</b>	Intrusion, cross line, motion detection, auto tracking
<b>Intrusion</b>	Enter and loiter in a pre-defined virtual region
<b>Cross Line</b>	Cross a pre-defined virtual line
<b>Motion Detection</b>	Moving within a pre-defined virtual region
<b>Auto Tracking</b>	Tracking the specified target
<b>Recognition</b>	Face detection, Audio detection
<b>Intelligent Identification</b>	Defocus, Scene Change
<b>Statistical Analysis</b>	People counting
<b>General Function</b>	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP, Authentication, User Authentication
AUDIO	
<b>Audio Compression</b>	G.711
<b>Two-way audio</b>	Supported
<b>Suppression</b>	Supported
<b>Sampling Rate</b>	8KHZ
STORAGE	
<b>Edge Storage</b>	Micro SD, up to 128 GB
<b>Network Storage</b>	Supported
NETWORK	
<b>Protocols</b>	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x., SNMP
<b>Compatible Integration</b>	ONVIF(Profile S, Profile G), API
PAN & TILT	
<b>Pan Range</b>	360° (endless)
<b>Pan Speed</b>	0.1°/s ~ 400°/s
	Preset speed: 400°/s
<b>Tilt Range</b>	1° ~ +90°
<b>Tilt Speed</b>	0.1° ~ 240°/s
	Preset speed: 240°/s
<b>Number of Presets</b>	1024

<b>Patrol</b>	Preset patrol, route patrol, recorded patrol
<b>Home Position</b>	Supported
INTERFACE	
<b>Audio I/O</b>	Audio cable
	1 Input: impedance 35 kΩ; amplitude 2 V [p-p] 1 Output: impedance 600 Ω; amplitude 2 V [p-p]
<b>Alarm I/O</b>	2/ 1
<b>Serial Port</b>	1 RS485
<b>Network</b>	1 RJ45 10M/100M Base-TX Ethernet
<b>Video Output</b>	1 BNC, impedance 75 Ω; amplitude 1 V [p-p]
GENERAL	
<b>Power</b>	24 V AC ± 25%, 24 V DC ± 25%, PoE (IEEE802.3 at)
<b>Power Consumption</b>	MAX 16W
<b>Reset Button</b>	Supported

ATEX Markings Breakdown

