SX1PTZ Series with BOSCH Camera

Explosion Proof PTZ Camera Station

Integrated with 2MP Bosch DINION 6000 Camera Module and 17x Optical Zoom Autofocus Lens

SX1PTZ-W

SX1PTZ-LEDW

Main Features

AISI316L

Marine grade AISI316L Stainless Steel material

IECEx Ex INMETRO

Ex II 2 G Ex db op pr IIC T6 Gb / Ex II 2 D Ex tb op pr IIIC T80°C Db

IP

IP 66 / 68

IK 10

Vandal-proof IK10 ratings

PoE++

Option for IEEE 802.3bt PoE++ (90Watt)

BOSCH

Bosch 2MP Box Camera DINION IP starlight 6000 HD

17x Optical Zoom Motorized Lens with Autofocus

IR

Option for LED illuminator available

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Technical Data

General		
Certification	Ex II 2 G Ex db op pr IIC T6 Gb / Ex II 2 D Ex tb op pr IIIC T80°C Db	
Protection Level	IP 66 / 68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	
Operating Temperature	-40°C to 60°C	
Relative Humidity	≤95%	
Mechanical		
Body Material	Stainless steel 316L material	
Sight Glass Material	Window with hardened mineral clear tempered glass	
	Window with Germanium glass (for SX1PTZ-G and SX1PTZ-GL model)	
Pan & Tilt Speed	Variable speed option: 0.1^0/s to 45^0/s	
Pan & Tilt Movement	Pan: 360° continuously	Tilt: -90° ~ +90°
Overall Dimension (WxHxD)	*Please refer to overall dimension drawings of each model.*	
Internal Usable Size for Camera Module	Ø95 x 363 mm	
Cable Entries	1 x M25 (optional additional cable entry upon request)	
Weight	Approximate 40KG	
Electrical		
Operating Voltage	AC110-240V (0.5A – 1.10A), 50/60Hz Optional: IEEE 802.3bt PoE++(90W)	
Power Consumption	Max 110W (110V), Max 120W (240V)	
Thermostatically Controlled Heater	T°C on: <10°C, T°C off: >10°C	
Optional		
LED Illumination	Up to 200 meters (for SX1PTZ-LEDW model)	
Built in Fiber Optic Module	Single Mode or Multi Mode (-SM or –MM model, please refer to below ordering info)	
Accessories		
Standard	Sunshield for Camera Housing	
Optional	Wall Bracket, Sunshield for Pan & Tilt Body	

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IP Camera/Lens

Camera		
Day/Night	Auto (adjustable switch points), Color, Monochrome	
Shutter Time	Automatic Electronic Shutter (AES); Fixed shutter (1/25[30] to 1/15000) selectable; Default shutter	
Noise Reduction	Intelligent Dynamic Noise Reduction Intelligent Streaming	
Image Settings	Color, Brightness, Sharpness, Contrast, White Balance, Exposure Control, Masking, Text Overlay	
Corridor Mode	Corridor Mode 90º, 180º, 270º rotation	
Image		
Image Sensor	1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1920x1080 (2MP)	
Pixel Size	4 µm	
Lens	f =7.5 mm (wide) to 127.0 mm (tele), F1.6	
Zoom	17x Optical Zoom with Autofocus	
Min. Illumination	Color: 0.0069Lux	B/W: 0.0008Lux
Compression Standard		
Video Compression	H.264/MJPEG	
Video Streaming	Multiple configurable streams in H.264 and MJPEG, configurable frame rate and bandwidth. Regions of Interest (ROI)	
Network		
Security	User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x	
Supported Protocols	IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, noip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication	
ONVIF	Profile S/ G/ M/ T conformant	
System Integration		
Analytics	Rule-based alarms and tracking, Line crossing, Enter /leave the field, Follow route Loitering, Idle/removed object, People counting, Crowd density estimation, 3D tracking, Audio detection (if microphone used)	
General		
Storage	Supports up to 32 GB microSDHC / 2 TB microSDXC card. Extreme lifetime and health monitoring support that provides early service indication. Recommended: Industrial microSD cards with health monitoring	

**Analog camera and other camera module options are available upon request.*
**Thermal camera options are available for G model. Please contact us for the details*

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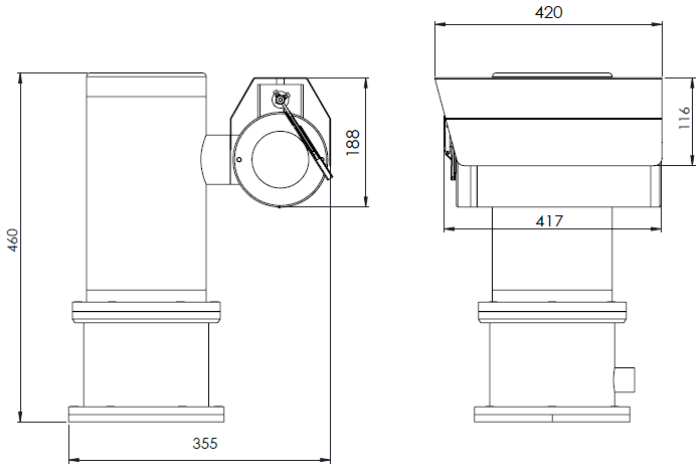
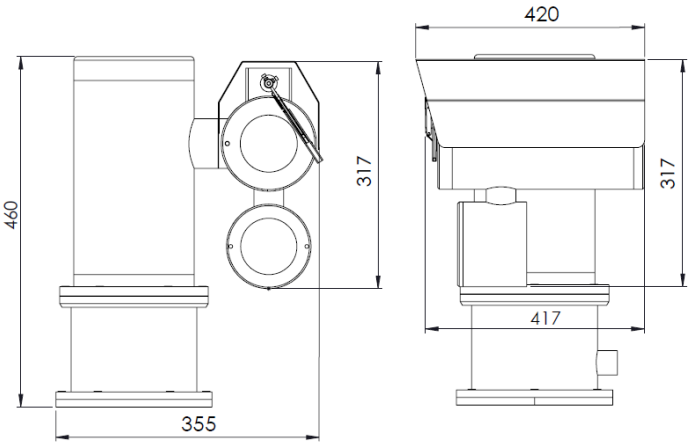
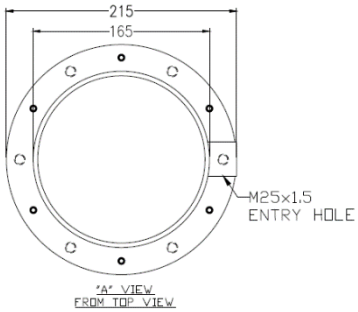
Outline Dimensions (mm)



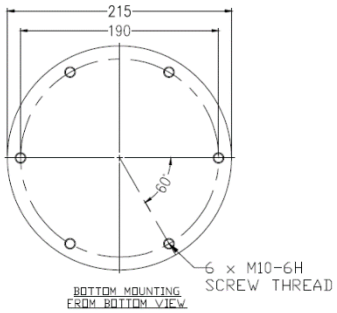
SX1PTZ-W Outline Dimensions



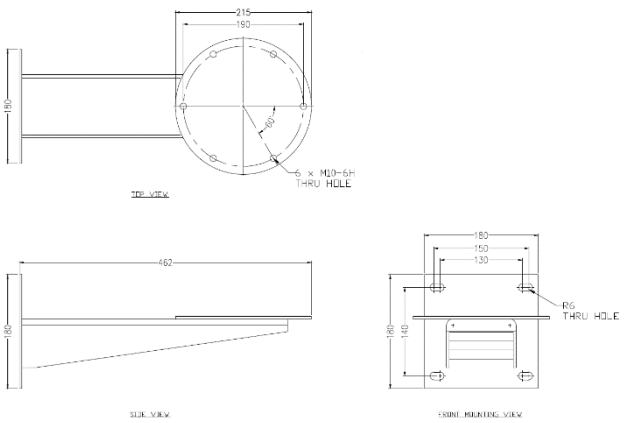
SX1PTZ-LEDW Outline Dimensions



Base View from Top



Base View from Bottom for Mounting



WB-SX1PTZ – Wall Bracket Outline Dimensions

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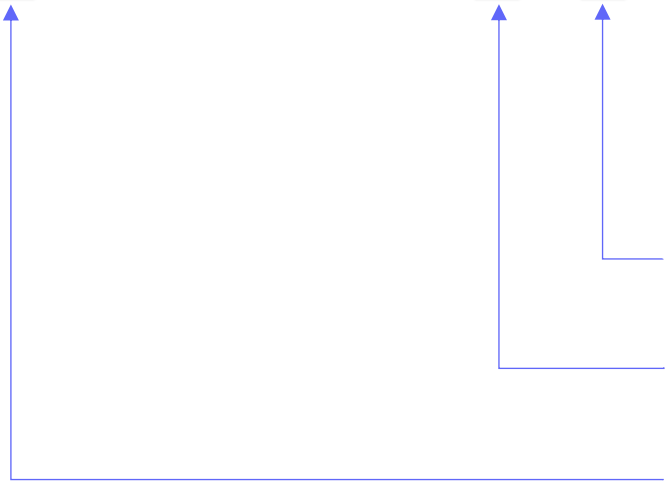
Model & Ordering Code

SX1PTZ - X - BH - 0217 - X - X



POE Options
Blank : No additional option
POE : POE++

Built-in Fiber Optic Module Options
SM : Single Mode
MM : Multi Mode

Camera Station Options
W : Fitted with wiper mechanism
LEDW : With LED Illuminator and Wiper

Standard Accessories

SCH-SX1PTZ : Sunshield for Camera Housing

Optional Accessories

WB-SX1PTZ : Wall Bracket
SPT-SX1PTZ : Sunshield for Pan & Tilt Body

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