SX1PTZ-37x4M Series

Explosion Proof PTZ Camera Station

Integrated with 4MP 37x Optical Zoom Sony Sensor Camera Module with optional built-in edge analytics

SX1PTZ-W

SX1PTZ-LEDW

Main Features

AISI316L

Marine grade AISI316L Stainless Steel material

IECEx Ex ATEX N INMETRO — IP66 IP68

Ex II 2 G Ex db op pr IIC T6 Gb / Ex II 2 D Ex tb op pr IIIC T80°C Db, IP 66 / 68

4MP resolution 37x optical zoom lens

Wi-Fi

(Optional) Wi-Fi 2.4 GHz and 5 GHz

PoE++

(Optional) IEEE 802.3bt PoE++ (90Watt)

(Optional) Advanced Analytics Fire or Smoke Detection

(Optional) Intelligent Video Analytics for Human, Vehicle & Object Detection

Simpnify

(Optional) Simpnify Unified Intelligent Platform & Radar Tracking Integration

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	Ø80 x 155 mm
Cable Entries	1 x M25 (optional additional cable entry upon request)
Weight	Approximate 38KG
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 or Dual Mode (-SM or –MM or –DM model, please refer to below ordering info)
Wi-Fi	Wi-Fi 2.4 GHz and 5 GHz
Accessories	
Standard	Sunshield for Camera Housing
Optional	Wall Bracket, Sunshield for Pan & Tilt Body

IP Camera/Lens

Sensor	
Image Sensor	1/1.8" Sony Progressive Scan CMOS
Effective Pixels	HxV = 2688x1520 (4.53 MP)

Lens		
Focal Length	6.5 mm (wide) to 240 mm (tele)	
Zoom	37x Optical Zoom (with up to 16x Digital Zoom)	
Aperture	FNo: 1.5 ~ 4.8	
FOV	Horizontal: 61.8º (wide), 1.86º (tele)	Vertical: 37.2º (wide), 1.05º (tele)
Close Focus Distance	1m (wide) to 1.5m (tele)	

Image	
Day/Night	Auto (ICR) / Manual (Color, B/W)
Image Settings	Saturation, Brightness, Contrast, Sharpness, Gamma, Exposure, WDR, BLC, HLC, White Balance (WB), Defog, Electronical Image Stabilization (EIS)
Exposure Model	Auto/Manual/Aperture Priority/Shutter Priority/Gain Priority
Flip Image	Support
AGC	Support
Noise Reduction	2D / 3D
S/N Ratio	≥ 55dB（AGC Off, Weight ON）
Min. Illumination	Color: 0.01Lux

Video	
Video Compression	H.265/H.264/H.264H/MJPEG
Resolution	Main Stream: 2688x1520@50/60fps; 1080P@25/30fps; 720P@25/30fps
	Sub Stream1: D1@25/30fps; CIF@25/30fps
	Sub Stream2: 1080P@25fps; 720P@25/30fps; D1@25/30fps
Video Streaming	Up to 3 individually configurable streams Configurable resolution/ frame rate/ bandwidth
Video Bit Rate	32kbps ~ 16Mbps

Network	
Supported Protocols	ONVIF, HTTP, RTSP, RTP, TCP, UDP

System Integration	
General Events	Motion Detection/ Tampering / Scene Changing / SD Card / Network / Illegal Access
Intelligent Video Analytics	*(optional upon request)* Human, Vehicle & Object Detections for Tripwire / Intrusion / Loitering / Abandoned Object / Missing Object / Parking Detection / Crowd Detection
Advanced Analytics	*(optional upon request)* Fire Detection or Smoke Detection
Intelligent Platform	*(optional upon request)* Simpnify Unified Intelligent Platform Integration, Radar Tracking Integration

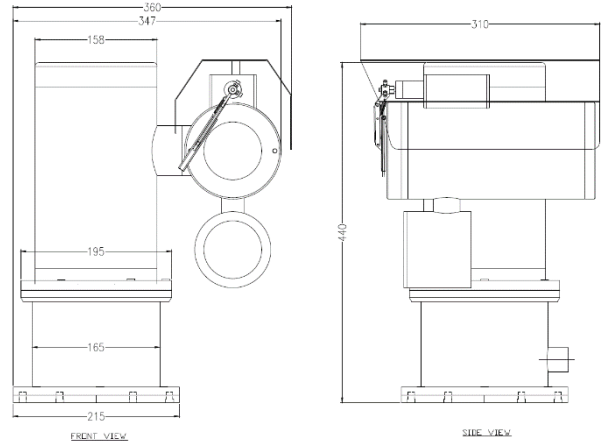| General	
Storage	TF card (up to 1TB)

*Analog camera and other camera module options are available upon request.
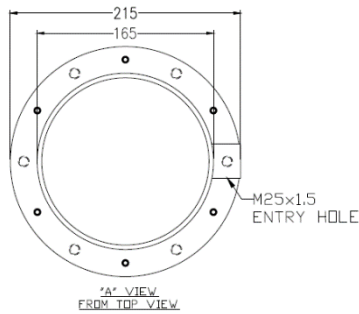**Thermal camera options are available for G model. Please contact us for the details*
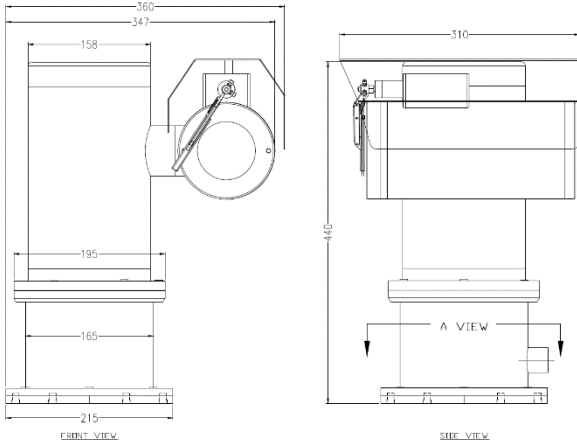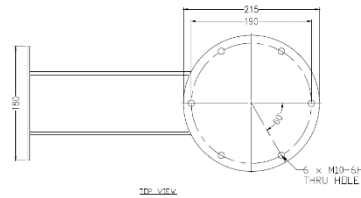
SX1PTZ-W Outline Dimensions
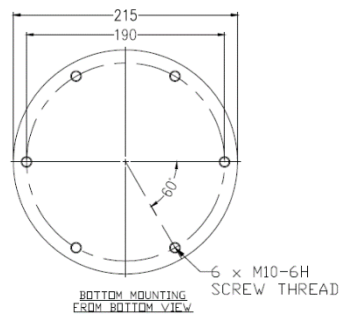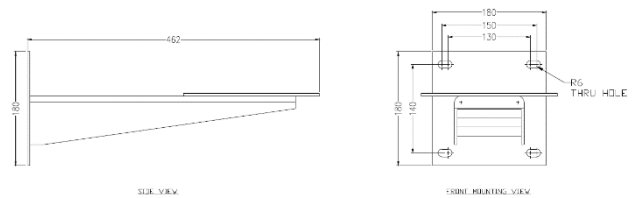
SX1PTZ-LEDW Outline Dimensions

Base View from Top

Base View from Bottom for Mounting

WB-SX1PTZ – Wall Bracket Outline Dimensions

SX1PTZ – X – 37x4M – X – X– X

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

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

Wi-Fi Options
Blank   : No additional option
Wi-Fi   : Wi-Fi 2.4 GHz and 5 GHz

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