SX1PTZ-22x4K Series

Explosion Proof PTZ Camera Station
Integrated with 8MP [4K] 22x Optical Zoom Ventionex VX2 Sony Sensor Camera Module

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)

8MP [4K] resolution 22x optical zoom lens

Motorized 6.4 - 138.5mm

IR

Option for LED illuminator available

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.*	
Weight	Approximate 38KG	
Internal Usable Size for Camera Module	Ø80 x 155 mm	
Wiper Mechanism	Available for all model	
Cable Entries	1 x M25 (optional additional cable entry upon request)	

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)

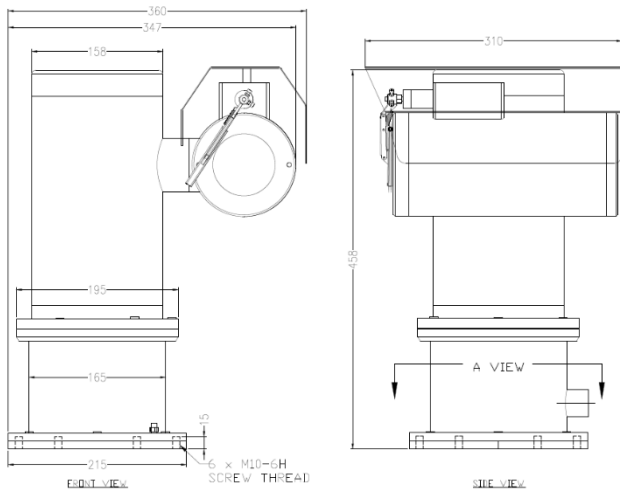| Accessories	
Standard	Sunshield for Camera Housing
Optional	Wall Bracket, Sunshield for Pan & Tilt Body

IP Camera/Lens

Camera	
Day/Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K s
Noise Reduction	2DNR, 3DNR, NR by motion
Image Settings	Color, Brightness, Sharpness, Contrast, White Balance, Exposure Control, Masking, Text Overlay
Corridor Mode	Corridor Mode 90⁰, 180⁰, 270⁰ rotation

Image		
Image Sensor	1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3864x2180, 8MP [4K]	
Pixel Size	2.0 µm	
Lens	f =6.4 mm (wide) to 138.5 mm (tele), F1.5	
FOV	Horizontal: 64⁰ (wide), 3⁰ (tele)	Vertical: 37⁰ (wide), 2⁰ (tele)
Zoom	22x Optical zoom, digital zoom ready	
Min. Illumination	Color: 0.04Lux	B/W: 0.002Lux
Frame Rate (Maximum)	H265: HDR 4K @30fps + d1@30fps / HDR 6M @30fps + 720p @30fps	
	H264: HDR 4K @30fps + d1@30fps / HDR 6M @30fps + 720p @30fps	
	MJPEG: 1080p @30fps	

Compression Standard	
Video Compression	H.265/H.264/MJPEG
Video Streaming	Up to 4 individually configurable streams in H.265/ H.264/ MJPEG / Configurable resolution/ frame rate/ bandwidth LBR/ VBR/ CBR in H.265/ H.264

Network	
Security	User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
ONVIF	Profile S/ G/ Q/ T conformant

System Integration	
General Events	Motion Detection/ Tampering
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

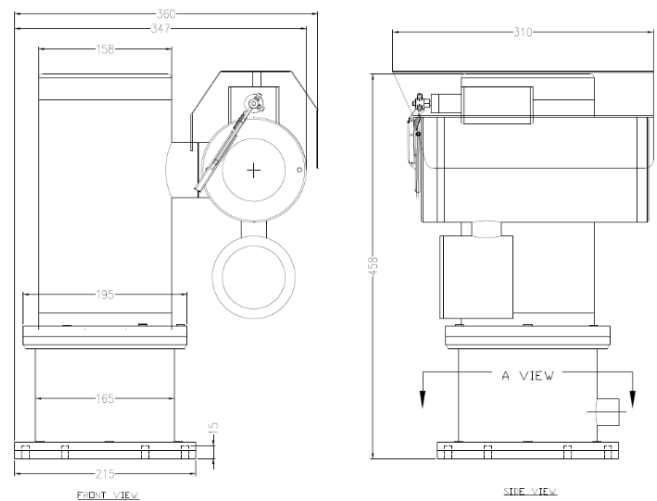| General	
Storage	Support for microSD/ microSDHC/ microSDXC card (up to 512GB) / Support for recording to NAS

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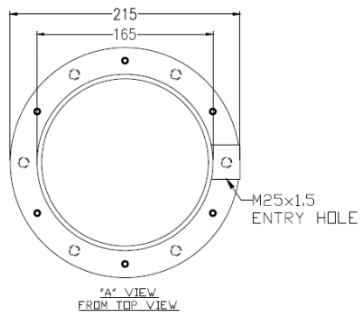*Thermal camera options are available for G model. Please contact us for the details*
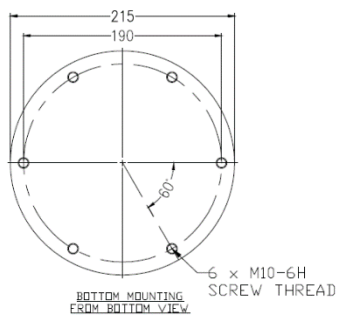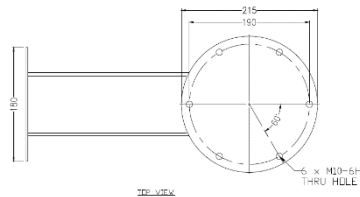
SX1PTZ-W Outline Dimensions
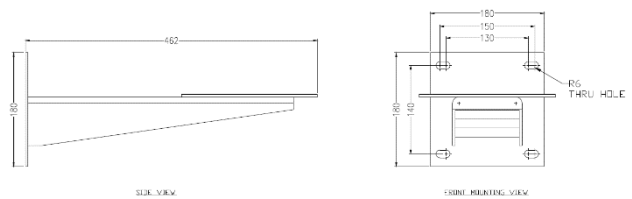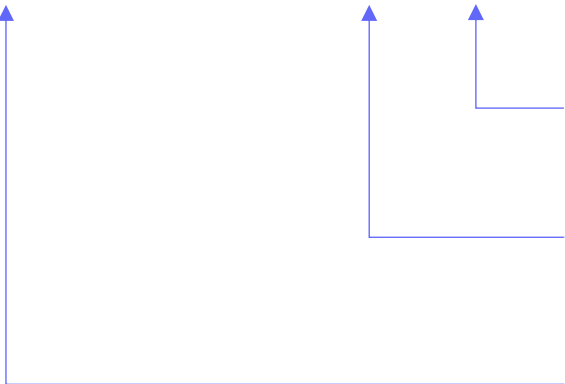
SX1PTZ-LEDW Outline Dimensions

Base View from Top

Base View from Bottom for Mounting

WB-SX1PTZ – Wall Bracket Outline Dimensions

SX1PTZ – X – 22x4K – 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

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