

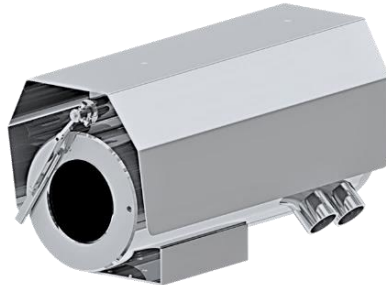
SS1CH-37x4M Series

Stainless Steel Weatherproof Fixed Camera Housing

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



SS1CH



SS1CH-W



SS1CH-LEDW

Main Features



Marine grade
AISI316L Stainless
Steel material



IP 66 / 68



4MP resolution
37x optical zoom lens



Options for LED
illuminator available



Option for IEEE
802.3at PoE+



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



(Optional) Advanced
Analytics Fire or
Smoke Detection



(Optional) Simplify
Unified Intelligent
Platform

Technical Data

General	
Ingress Protection	IP 66 / 68
Operating Temperature	-40°C to 60°C
Relative Humidity	≤95%
Mechanical	
Body Material	AISI316L Stainless Steel
Sight Glass Material	Window with hardened mineral clear tempered glass
	Window with Germanium glass (for SS1CH-G and SS1CH-GL models)
Overall Dimension (WxHxD)	<i>Please refer to overall dimension drawings of each model.</i>
Weight	Approximate 20KG
Internal Usable Size for Camera Module	Ø80 x 155 mm
Cable Entry	2 x M25
Electrical	
Operating Voltage	AC110-240V (0.5A - 1.10A), 50/60Hz Optional: IEEE 802.3at PoE+
Power Consumption	Max 48W
Thermostatically Controlled Heater	T°C on: <10°C, T°C off: >10°C
Optional	
Wiper Mechanism	Available for SS1CH-W and SS1CH-LEDW model
LED Illumination	Up to 200 meters (Available for SS1CH-LED and SS1CH-LEDW model)
Accessories	
Standard	Sunshield, Swivel Joints
Optional	Wall Bracket

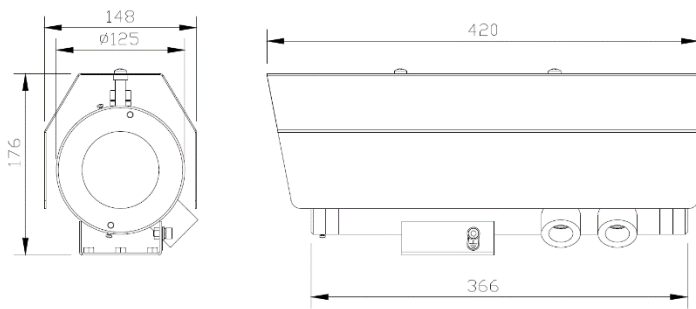
IP Camera/Lens

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: 61.8° (wide), 1.86° (tele)	Vertical: 37.2° (wide), 1.05° (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) Simpnlify Unified Intelligent Platform Integration, Radar Tracking Integration	
General		
Storage	TF card (up to 1TB)	

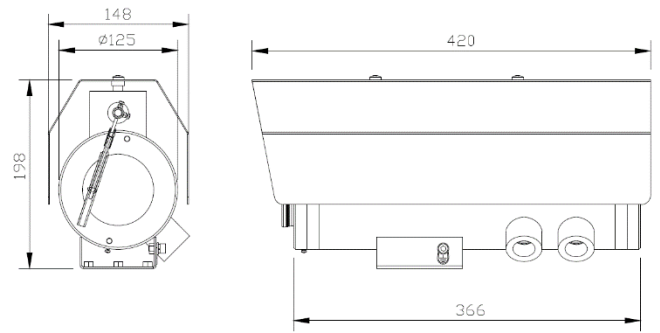
*Analog camera and other camera module options are available upon request.

*Thermal camera options are available for G model. Please contact us for the details

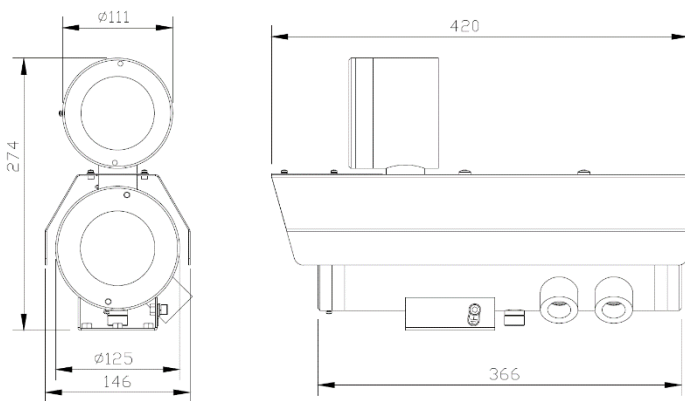
Outline Dimensions (mm)



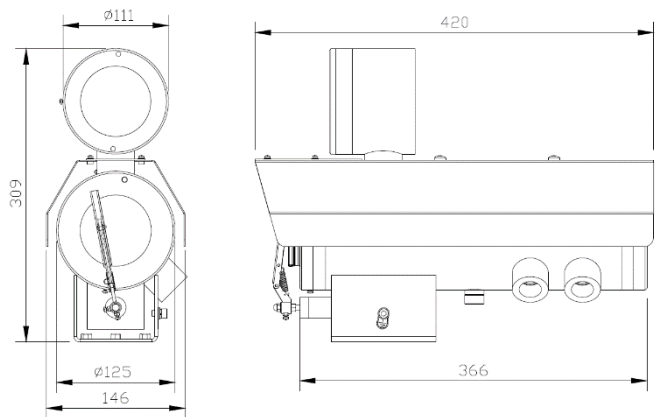
SS1CH Outline Dimensions



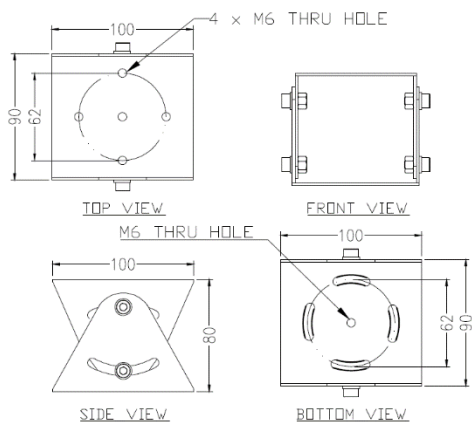
SS1CH-W Outline Dimensions



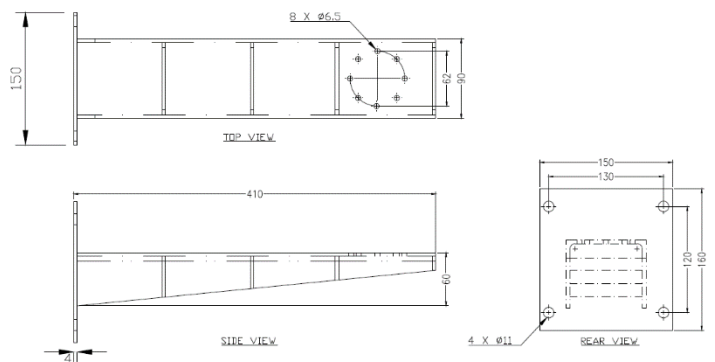
SS1CH-LED Outline Dimensions



SS1CH-LEDW Outline Dimensions



SJ-SS1CH - Swivel Joints Outline Dimensions



WB-SS1CH - Wall Bracket Outline Dimensions

Model & Ordering Code

SS1CH - X - 37x4M - X

POE Options

- Blank : No additional option
- POE : POE+

Additional Options

- Blank : No additional option
- W : Fitted with wiper mechanism
- LED : With LED Illuminator
- LEDW : With LED Illuminator and Wiper

Standard Accessories

- SCH-SS1CH : Sunshield for Camera Housing (for SS1 series without LED illuminator)
- SCH-SS1CH-LED : Sunshield for Camera Housing with LED illuminator (for SS1CH-LED and SS1CH-LEDW)
- SJ-SS1CH : Swivel Joints

Optional Accessories

- WB-SS1CH : Wall Bracket