Ventionex
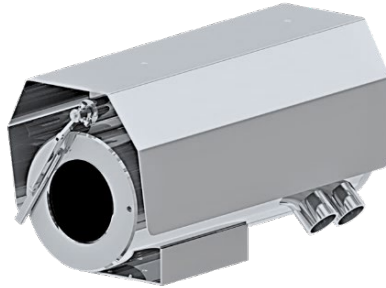
SS1CH-37x4M Series

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

AISI316L

Marine grade
AISI316L Stainless
Steel material

IP66 IP68

IP 66 / 68

4MP resolution
37x optical zoom lens

IR

Options for LED
illuminator available

PoE +

Option for IEEE
802.3at PoE+

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

(Optional) Advanced
Analytics Fire or
Smoke Detection

Simpnify

(Optional) Simpnify
Unified Intelligent
Platform

Technical Data

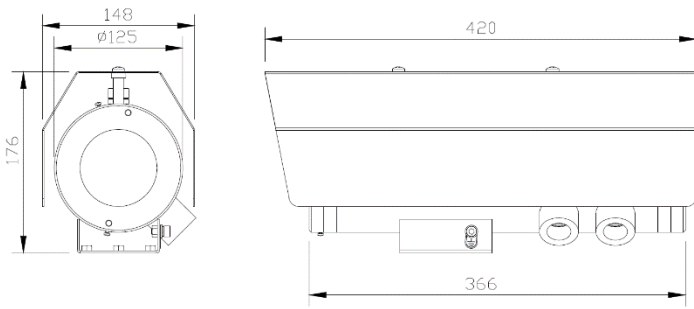| General	
Ingress Protection	IP 66 / 68
Operating Temperature	-40°C to 60°C
Relative Humidity	≤95%
Mechanical	
Body Material	AISI316L Stainless Steel
Sight Glass Material	Window with hardened mineral clear tempered glass
	Window with Germanium glass (for SS1CH-G and SS1CH-GL models)
Overall Dimension (WxHxD)	*Please refer to overall dimension drawings of each model.*
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 110W (110V), Max 120W (240V)
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

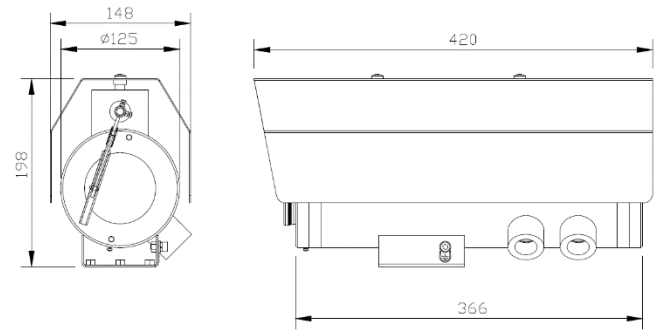| Camera	
Day/Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K s
Noise Reduction	2DNR, 3DNR, NR by motion
Image Settings	Color, Brightness, Sharpness, Contrast, White Balance, Exposure Control, Masking, Text Overlay
Corridor Mode	Corridor Mode 90^0, 180^0, 270^0 rotation
Image	
Image Sensor	1/2.8" Progressive CMOS
Effective Pixels	HxV = 2065x1553 (3MP)
Pixel Size	2.5 µm
Lens	f =4.6 mm (wide) to 152.0 mm (tele), F1.6
FOV	Horizontal: 55^0 (wide), 2^0 (tele) / Vertical: 43^0 (wide), 1.0^0 (tele)
Zoom	33x Optical Zoom, up to 10x Digital Zoom
Min. Illumination	Color: 0.04Lux / B/W: 0.002Lux
Frame Rate (Maximum)	H265: HDR 3M @30fps + 720p @30fps
	H264: HDR 3M @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 / 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	Support for microSD/ microSDHC/ microSDXC card Support for recording to NAS

Analog camera and other camera module options are available upon request.
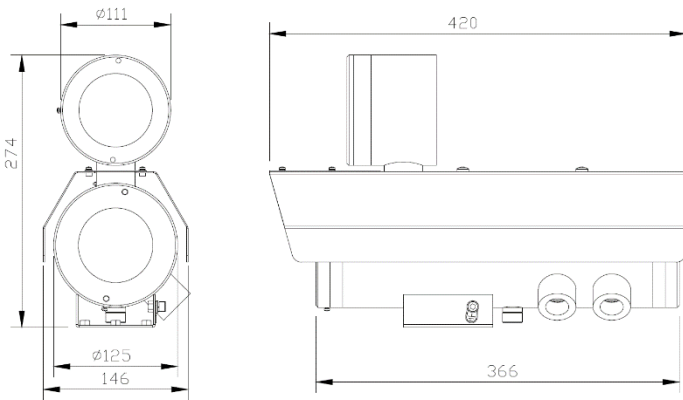*Thermal camera options are available for G model. Please contact us for the details*
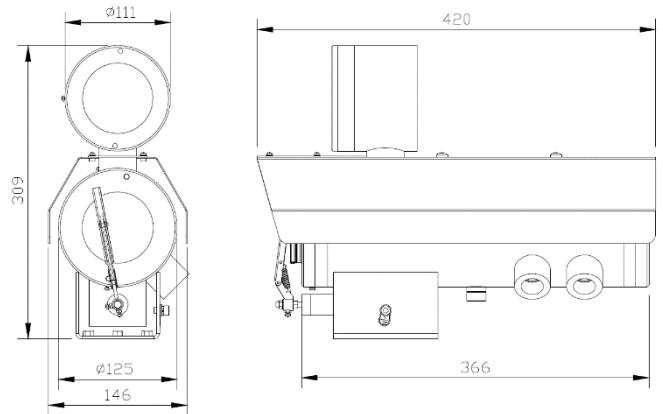
Outline Dimensions (mm)
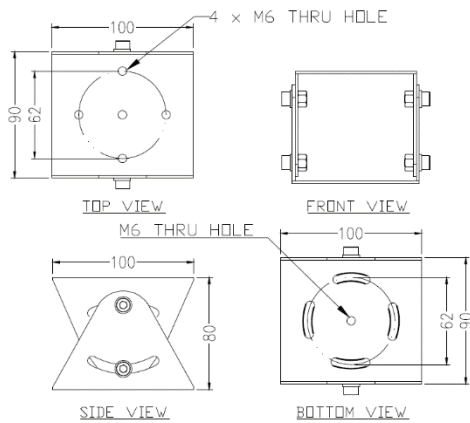
SS1CH Outline Dimensions
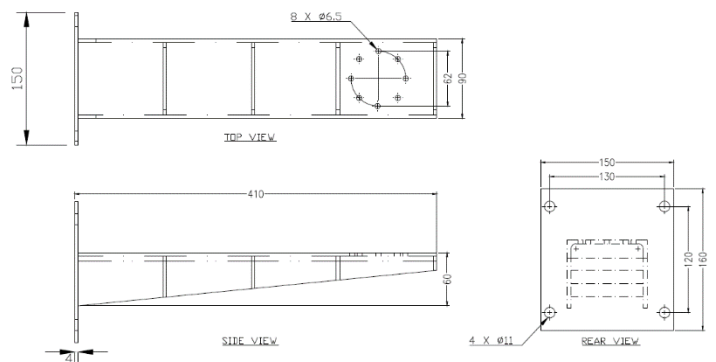
SS1CH-W Outline Dimensions

SS1CH-LED Outline Dimensions

SS1CH-LEDW Outline Dimensions

SJ-SS1CH – Swivel Joints Outline Dimensions

WB-SS1CH – Wall Bracket Outline Dimensions

SS1CH – X – 33x3M – 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