



## **Smartec – STH 1230 Outdoor camera housing**

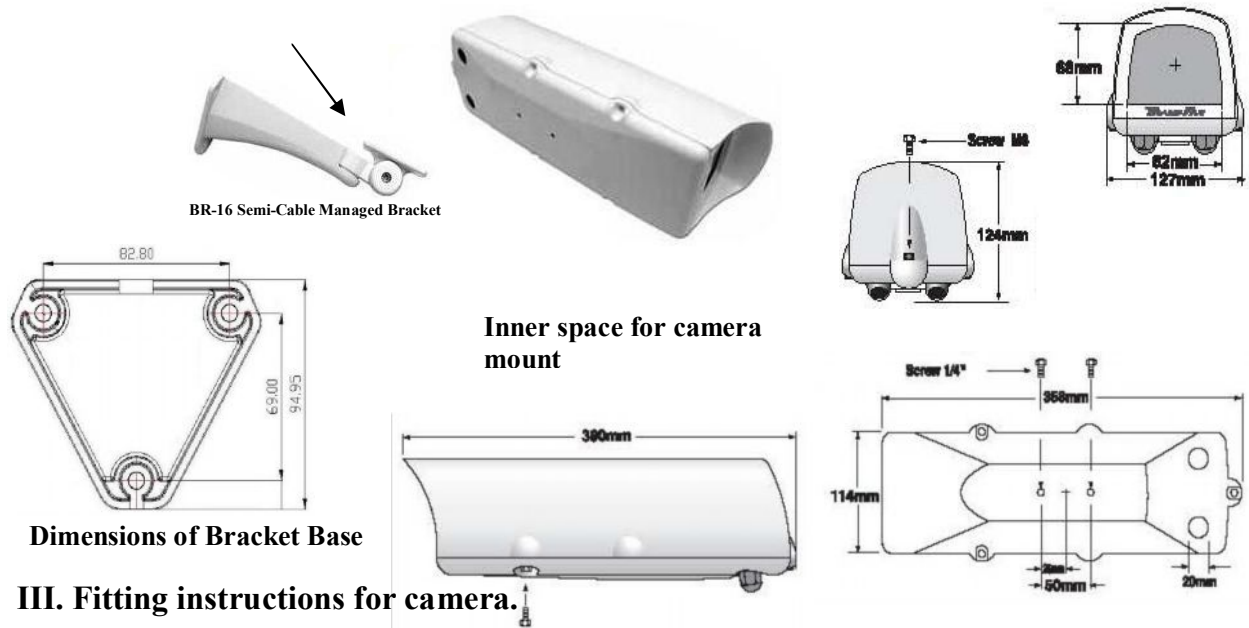


## **User Manual**

# I. Introduction

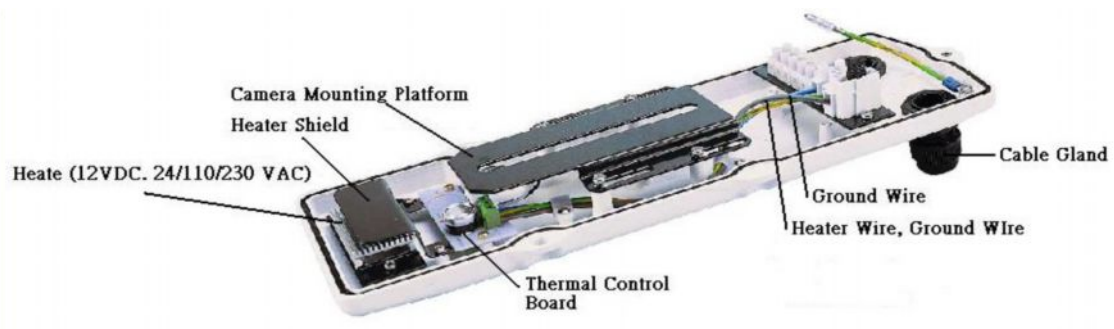
The **STH-1230 Series** Camera Housing is constructed by die-cast aluminum alloy with powder coated finished and equipped with an adjustable semi-cable managed bracket. The Product is CE certified, owns IP 66 environmental protection level and conform with RoHS regulations.

## II. Mounting Configuration and Dimensions of STH-1230 Series



### III. Fitting instructions for camera.

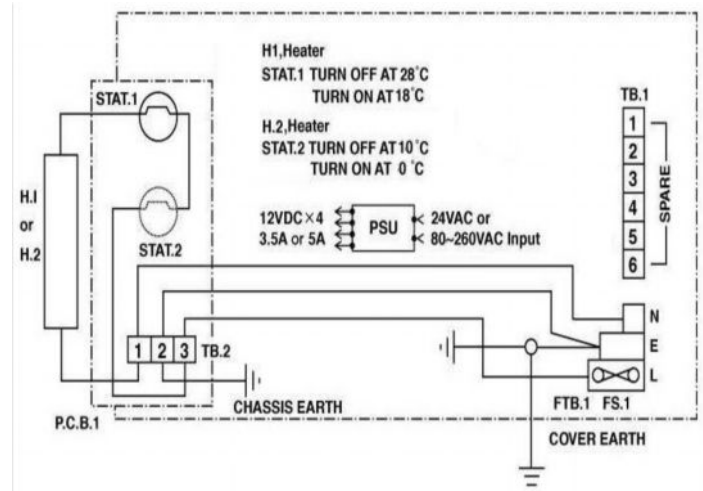
### III. Fitting instructions for camera.



## IV. Wiring Diagram

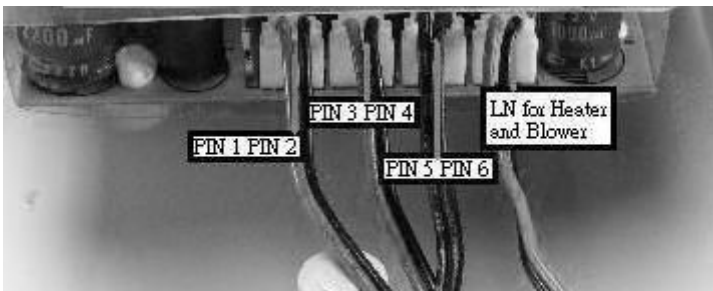
Inside the internal wiring diagram of STH-1230 Series for the window demister. A spare 6 way terminal block is provided at the rear of the housing for the camera when necessary and lens connections. Circuit identified as follows:

- TB.1 6 way terminal block
- TB.2 3 way terminal block
- FTB.1 Fused terminal block
- STAT.1 28 $\square$  Thermostat
- STAT.2 10 $\square$  Thermostat
- H.1 Heater
- H.2 Heater 2
- PSU Power Supply Unit
- P.C.B.1 Thermal control circuit board
- FS.1 3 Amp. Fuse



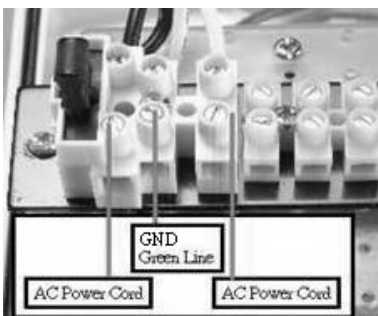
### DC output of PSU connectors

1. Pin 1, 2 and pin 3, 4 is DC 12C output for motor lens, IR illuminator, siren or speaker use. If no use please remove cable from connector.
2. Pin 5, 6 is for DC12V output for camera.



### AC power connection

Shows how to connect the AC power cord to the FTB. 1 connector.



## V. INSTALLATION SUGGESTION :

If you plan to install this camera into a tropical, sear coastal, saltwater or corrosive industrial water/moist environment, please seal each stainless steel screw and fittings with a silicon grease compounds. This will help prevent electrolysis corrosive occurring and extend the lifespan of the camera and housing. The installation of a surge protection device is strongly recommended in frequent thunder area.



**IMPORTANT NOTE:** 1. *Disconnect Device: A disconnect device from main supply shall be incorporated in the building installation wiring.* 2. *Electrical Connections: Only a qualified electrician allow to make electrical connections.*

Model No.	Single heater		Double heaters*		Blower (IP44)		PSU (power supply unit)				
	12Vdc / 24Vac	110 / 230Vac	12Vdc / 24Vac	110 / 230Vac	12Vdc	24Vac	880	080	324	424	
STH-1230S		●									
STH-1230D				●							
STH-1230S-PSU1		●					●				
STH-1230D-PSU1				●			●				
STH-3230D				●							
STH-3230D-PSU1				●			●				
STH-5230D-PSU2			●					●			

\*First heater prevents moisture on the window glass till weather temperature -25 , second heater is heating in housing for camera operation properly till weathertemperature – 40

\*\* With 12Vdc camera jet