



- Designed for Installations in High Temperature Environments; Ideal for IP Cameras
- Thermo-Electric Cooling (TEC) Device Conditions the Air Inside the Camera Housing
- Extends Operating Temperature Range of Internal Devices
- Designed to Meet IP66 Outdoor Rating
- Aluminum Construction Provides Added Camera Protection
- Sunshield Included as Standard Feature
- Use in Combination with Aigis Heavy Duty Mount, Pan/Tilt, and Receiver Driver Unit (RDU) Accessories for a Remote Positioning Solution
- 110VAC Input with 12VDC, 24VAC or Power over Ethernet (PoE) Camera Power

Thermo-Electric Cooled (TEC) Housing



The Thermo-Electric Cooled (TEC) Housing was designed to provide a safer solution for IP cameras installed in high ambient temperature environments. Typically, IP cameras generate a large amount of heat during normal operation. Excessive heat can cause temporary or permanent damage to the camera. When installed in high temperature environments, the heat from the camera combines with the heat of the environment and can threaten camera failure.

The TEC Housing helps cameras operate in such environments by actively cooling the air inside the camera housing. Heat from inside the housing is transferred to an external heat sink. This results in heat being removed from the air inside the housing, and this cooler air is vented through the housing and directed at the camera. Air continuously flows within the housing to provide cooled air to the camera and remove excess heat.

The TEC Housing operates on 110VAC power. A pass-through Ethernet connection is provided for IP cameras and can be used to power the camera with PoE (Power over Ethernet). A 12VDC or 24VAC power connection is provided (depends on model) as an alternative method of powering the camera. Powering the camera with 24VAC requires a separate, external 24VAC power supply.

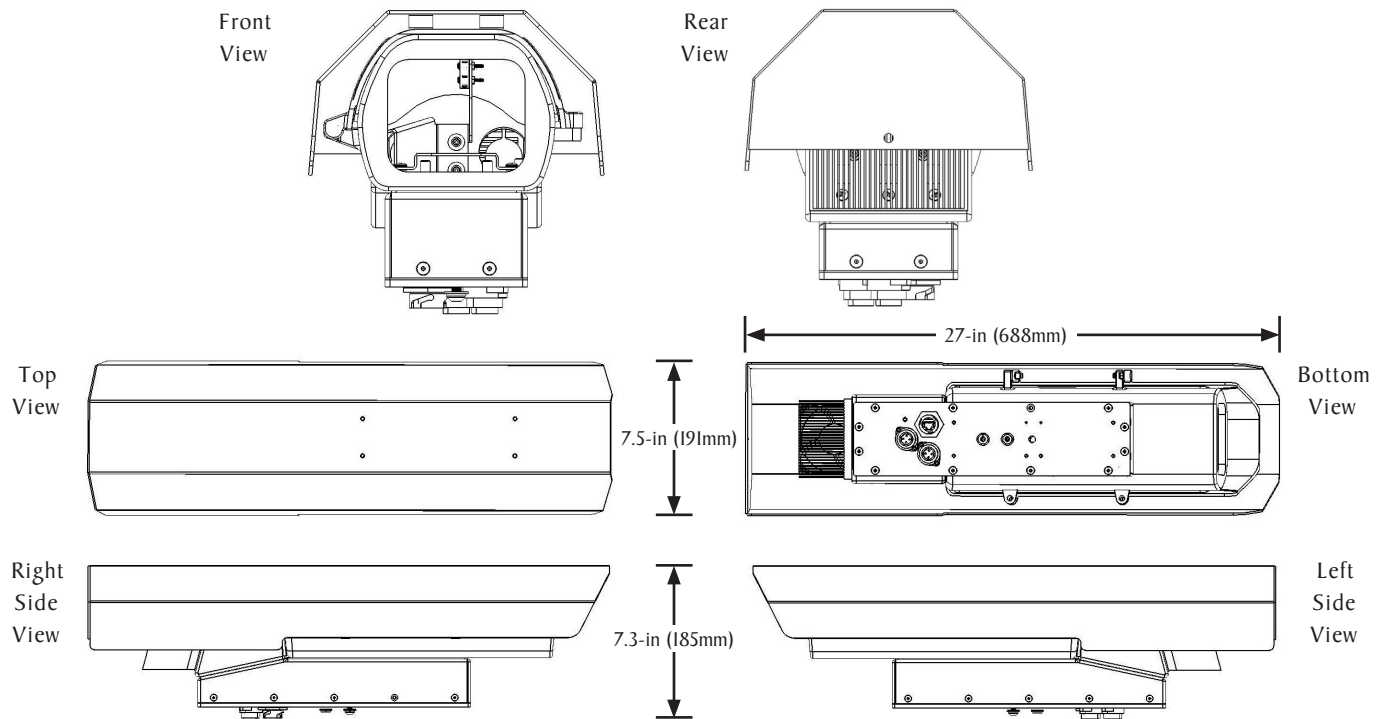
The housing includes a heater in the event the ambient temperature drops. In extreme cold environments, the TEC Housing reverses the cooling circuit to actively heat the housing interior as an emergency supplement to the internal heater.

Specifications

TEC Housing		
Part Number	HS91-6ETHIPC	HS91-6TEC
Input Voltage	110VAC	
TEC Power Requirement, Interior > 86°F (30°C)	500mA, (50% Duty Cycle)	
TEC Power Requirement, Interior > 95°F (35°C)	750mA, (95% Duty Cycle)	
Tamper Alarm Connection	Yes	Not Included
No. 4-pin External Connectors	2	1
Fault Alarm Connection	Yes	
Power Available to Camera	24VAC*, PoE**	12VDC, PoE**
Environmental Rating	Designed to Meet IP66	
Sunshield Included	Yes	
Compatible Mounts	MT9235	
Compatible Pan/Tilts	PT9441-6P	
Compatible Receiver/Driver	RD6PT6-P	

Notes: * Powering the camera with 24VAC requires a separate, external 24VAC power supply
 ** A pass-through Ethernet cable connection is provided; PoE requires external PoE injector or switch. The heater and TEC circuit cannot be powered via PoE.

Dimensional Outlines



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