

HSG04

All-weather Outdoor Camera Housing

Quick Start Guide



Find additional manuals, the datasheet, the EU Declaration of Conformity, and the latest firmware for this product at:

<https://tkhsecurity.com/>



Unpack



Note 1: Subject to modification. Actual product and accessories may differ in appearance.

Installation Notices



CAUTION:
INSTALLATION SHALL BE PERFORMED BY QUALIFIED PERSONNEL ONLY. INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL PROCEDURES. IT'S NOT RECOMMENDED TO USE WIPER WITHOUT WASHER TANK. IT WILL CAUSE THE UNREPAIRABLE SCRATCH ON THE GLASS. PLEASE APPLY APPROPRIATE PROTECTION TO THE EYES WHEN INSTALL IR MODULE ON THE HOUSING.

Connectors

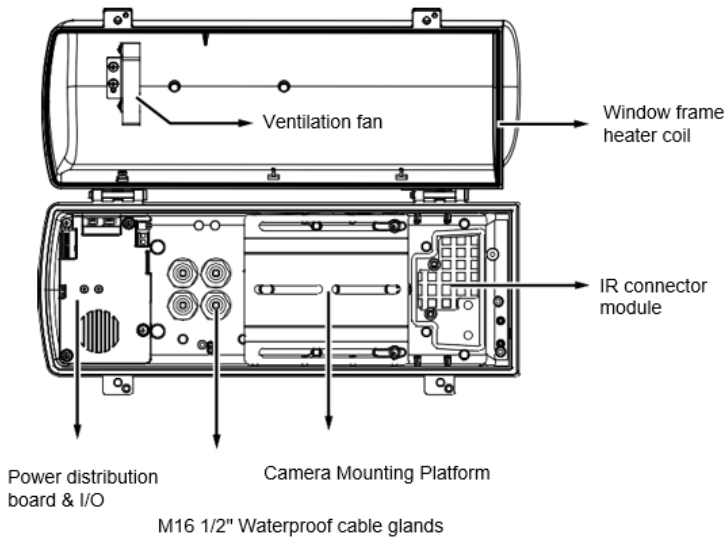
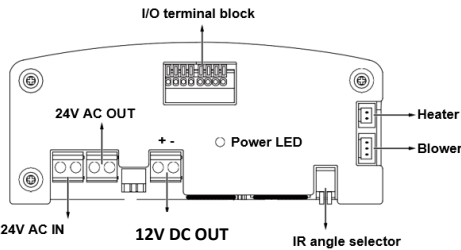


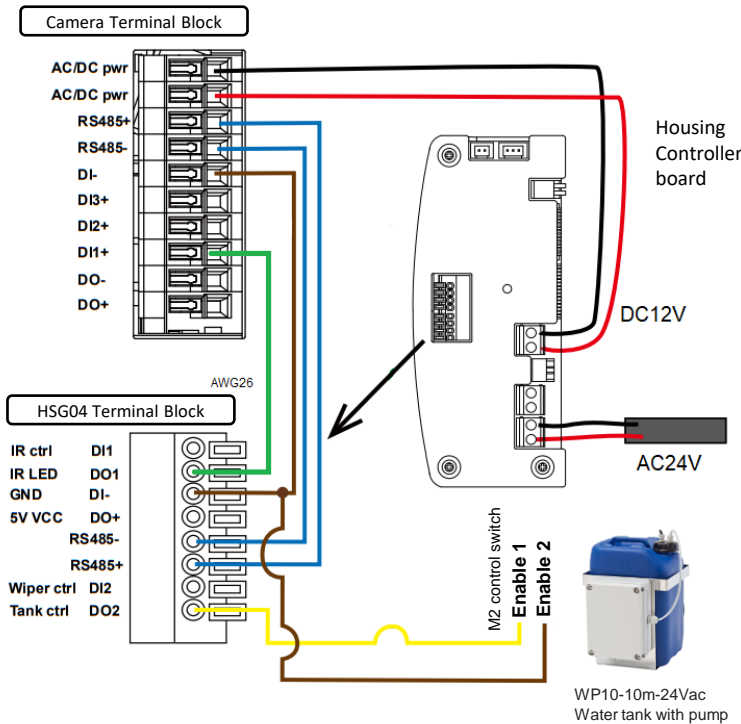
Figure 1 Camera Connectors

I/O Terminal Block Connection

I/O	Description
DO2	Connect to tank water pump.
DI2	Wiper control, connects to IP camera's DO for manually triggering washer.
RS485+ RS485-	Serial port to control IR, wiper and washer.
DO+	+5V VCC
DI-	GND
DO1	IR LED status, connect with camera input to control IR cut filter(default)
DI1	IR control by camera



Connection diagram



RS485 Control

Configuration parameters

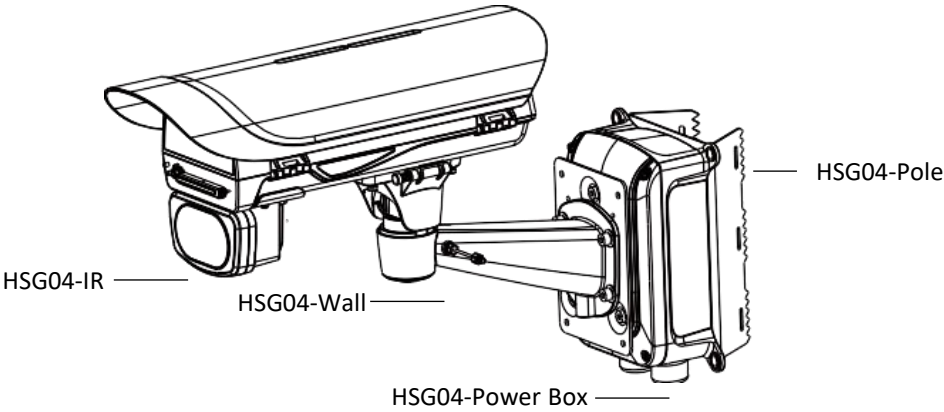
Protocol	Baud rate	Data bits	Parity	Stop bit
Pelco-D	2400	8	None	1

Pelco-D command

Control	Pelco-D Command
Wiper On	Aux 1 On
Wiper Off	Aux 1 Off
Wiper and Washer On	Aux 2 On
Wiper and Washer Off	Aux 2 Off
IR Led Force On	Aux 3 On
IR Led Force Off	Aux 3 Off
HSG04-IR Wide	Zoom Wide
HSG04-IR Tele	Zoom Tele
HSG04-IR Stop	Zoom Stop

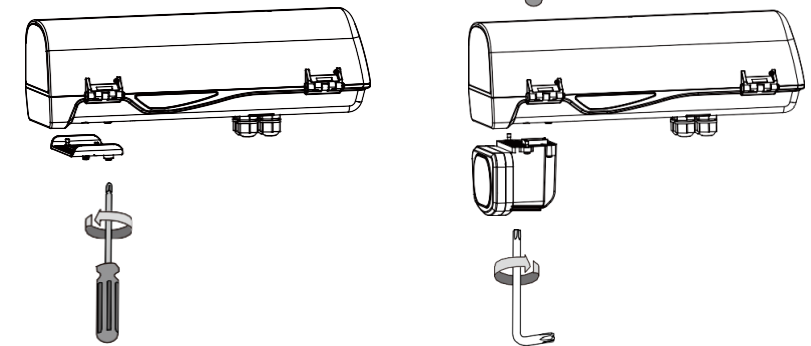
Note 2: Once RS485 control the IR Led, the IR mode will be in RS485 control. Please switch to "Light Sensor mode" by "FF 01 00 18 02 02 1D" Pelco-D command. The Light sensor at lamp will control the lamp by the lighting condition.

Complete HSG04 housing with accessories



Optional Accessory – HSG04-IR

1. Remove the metal cover from underneath the housing.
2. Install HSG04-IR module and ensure the rubber gasket is in place.

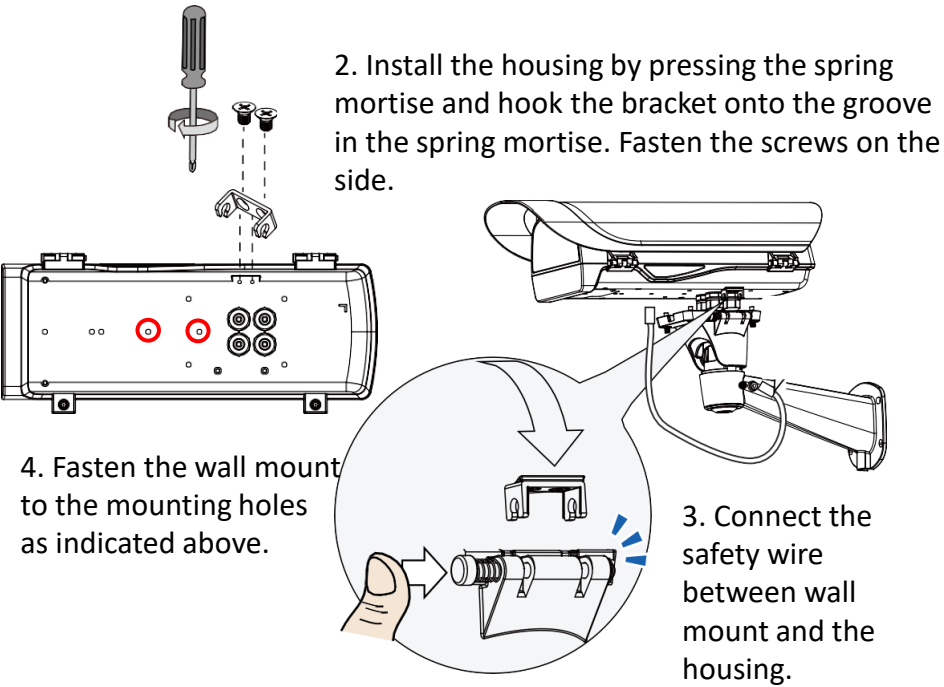


3. Adjust the IR distance by DIP switch.

DIP Switch :				
LL	LH	HL	HH	
DIP Switch	LL	LH	HL	HH
Beam angle	10°	20°	30°	40°
Distance (meter)	140m	110m	80m	50m

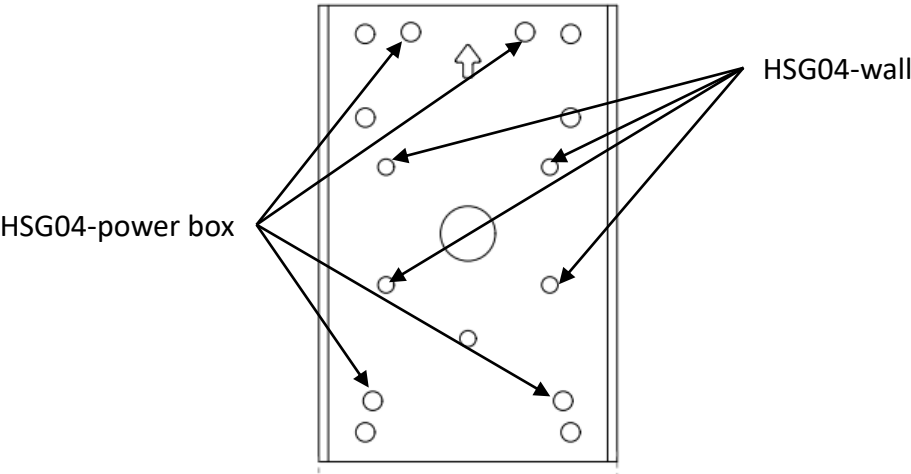
Optional Accessory - HSG04-Wall Mount

1. Fasten 2 screws to secure the intersection bracket at the bottom of housing.



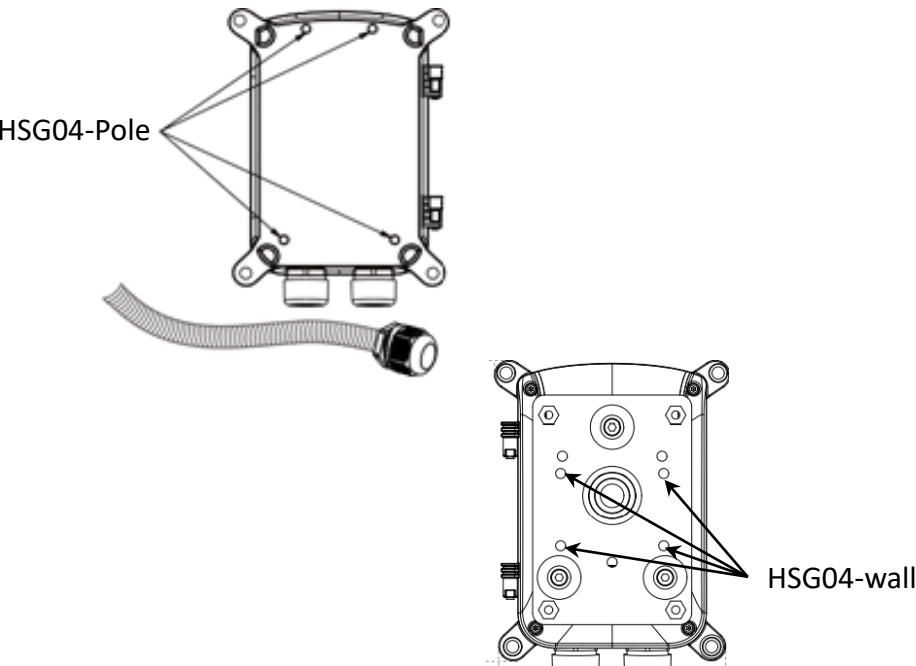
Optional Accessory - HSG04-Pole Mount

HSG04-pole mount can be used with HSG04-wall as well as HSG04-power box. The different mounting holes are indicated below.



Optional Accessory - HSG04-Power Box

HSG04-Power box can be installed with HSG04-Wall as well as HSG04-Pole. The different mounting holes are indicated below.



Optional Accessory – Water Tank, WP10-10m-24Vac

Install the washer nozzle with bracket to the side of the HSG04. Connect a piece of Ø8mm hose to the nozzle and use Ø8-4 hose adapter as the bridge to the hose included in WP10-10m-24Vac. Secure each connections with cable tie.

