Honeywell

HHC12 Series

12-Inch Camera Enclosure

Install Guide

Document 800-04354 – 04/09 – Rev A

Revisions

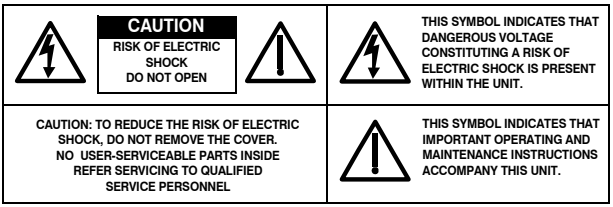
Revision	Date	Revisions
A	04/09	New document updated to Honeywell standards, based on 900.0559

Warnings

Installation and servicing should be performed only by qualified and experienced technicians to conform to all local codes and to maintain your warranty.

WARNING! **The use of CSA Certified/UL Listed Class 2 power adapters is required to ensure compliance with electrical safety standards.**

Explanation of Graphical Symbols



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Introduction

The HHC12 Series camera housings are stylishly and functionally designed for 1/2" and 1/3" CCD cameras with fixed focal length or small zoom lenses.

Features

- Contemporary design
- Adjustable mounting rack
- Indoor/outdoor applications
- IP66 rated
- Die-cast and extruded aluminum construction
- Removeable body for easy servicing
- Epoxy powder coating for corrosion resistance

Ordering Information

Model No.	Description
Housing Models	
HHC12WM	12-inch housing with sunshield and HHMW13 wall mount
HHC12WM2	12-inch housing with sunshield, heater kit, blower kit and HHMW13 wall mount
Optional Components	
HHMC21J	Ceiling “J” mount, 21” high, 30 lbs (13.5 kg) max.
HHMCMA	Corner mount adapter for HHMW13
HHMPMA	Pole mount adapter for HHMW13
HHMW13	Wall mount, 13” high, 30 lbs (13.5 kg) maximum, gray

Before You Begin

This guide describes how to assemble the housing and its optional components, affix the camera, and mount the assembly to a suitable surface. Please carefully read this guide before you install the housing.

Keep this guide for future reference.

Unpack Everything

Check that the items received match those listed on the order form and packing slip. The HHC12 packing box includes, in addition to this guide:

Housing Model	Packing Includes
HHC12WM	• One 12-inch housing with sunshield • One desiccant bag • One HHMW13 wall mount • Four 1/4 x 20 UNC machine screws • Four #14 1-1/4 sheet metal screws
HHC12WM2	• One 12-inch housing with heater, blower and sunshield • One desiccant bag • One HHMW13 wall mount • Four 1/4 x 20 UNC machine screws • Four #14 1-1/4 sheet metal screws

If any parts are missing or damaged, contact the dealer you purchased the housing from or call Honeywell Customer Service (see back cover).

Equipment Required

You may require the following tools (not supplied) to complete the installation:

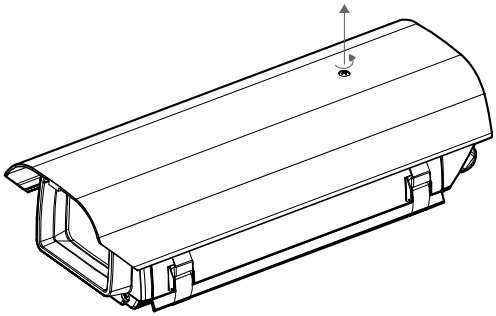
Screwdriver, camera and camera cable, power supply

Installation

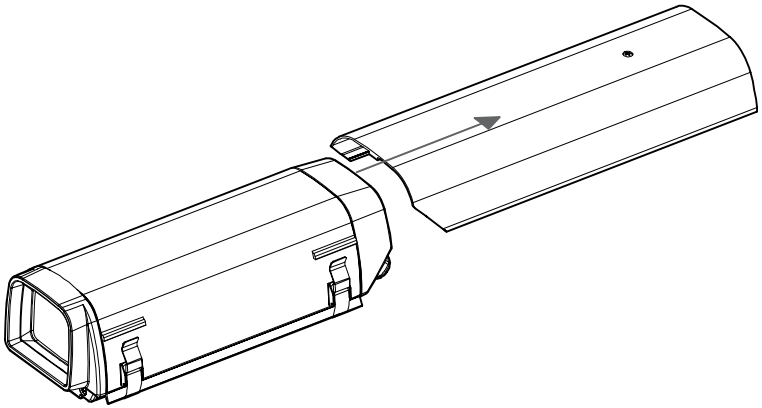
To correctly install the heater/blower and mount the camera, please follow the instructions in the order provided.

Preparing for Installation

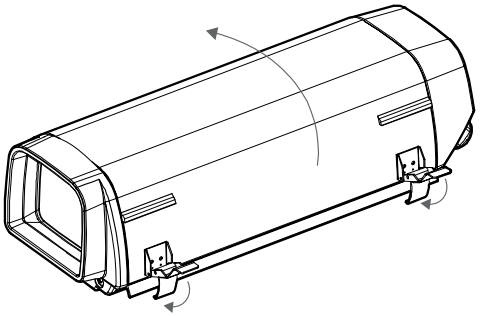
1. Loosen but do not remove the screw that secures the sunshield in place. Turn the screw no more than 5 times.



2. Detach the sunshield by sliding it backward on the main housing unit. Set the sunshield aside until needed.



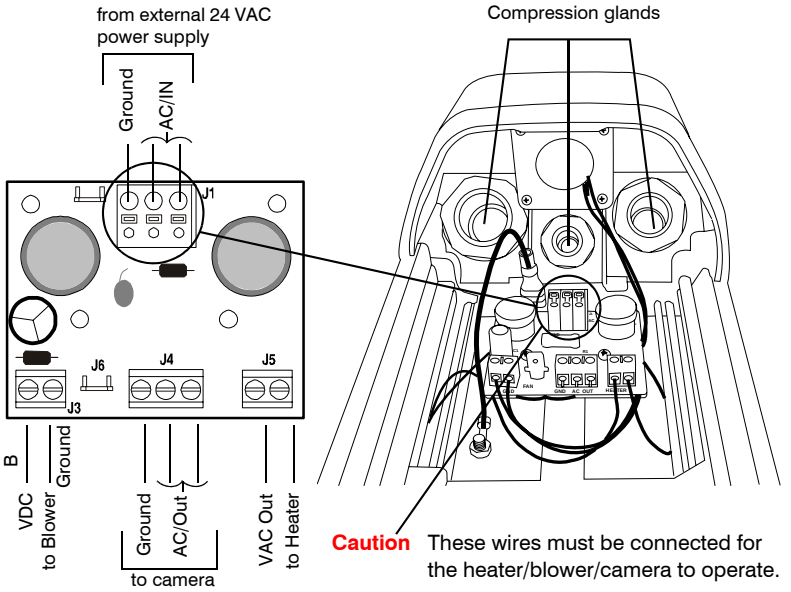
3. Unlatch the lid and open the upper body.



4. Remove the desiccant bag from the protective packaging and place the bag inside the housing to absorb moisture.
5. Close the housing.
6. Locate the gold, 1/4” x 20 panhead UNC screws and set them aside for use later.

Connecting the Heater/Blower (HHC12WM2 Model Only)

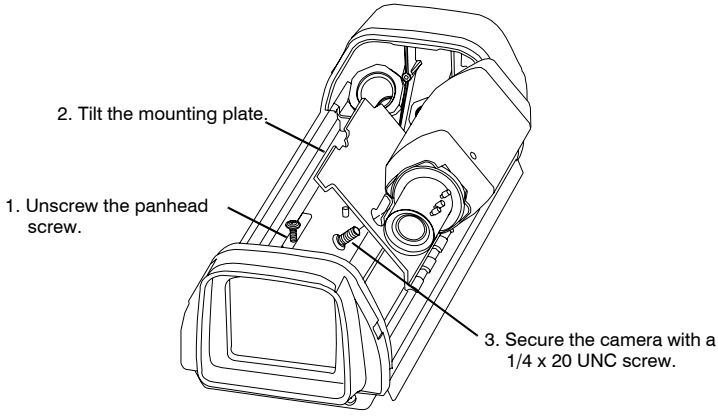
Feed the external power supply (not included) through one of the compression glands, then connect to the circuit board. The recommended power supply is 24 VAC, 50VA.



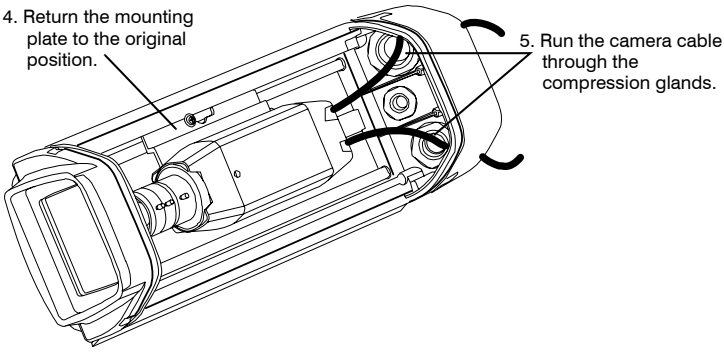
Mounting the Camera

This section describes how to install a camera into any of the HHC12 Series camera housings.

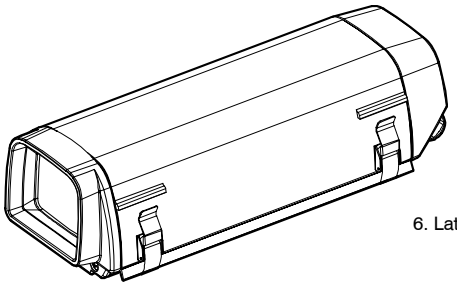
1. Remove the mounting plate from the lower body by unscrewing one Philips panhead screw. Set the screw aside.



2. Tilt the mounting plate as shown.
3. Mount the camera onto the mounting plate and secure with the 1/2” Philips panhead screw. You may need to turn the mounting plate over to better accommodate your camera.
4. Place the mounting plate in its original position and secure the assembly by tightening the Philips panhead screw through the mounting plate into the lower body of the housing.
5. Run the camera cable through the compression glands and make all necessary electrical connections (refer to the guide that came with your camera). Ensure that the compression glands are firmly fixed.



6. Reassemble the housing unit by closing the upper body and latching the lid tight.



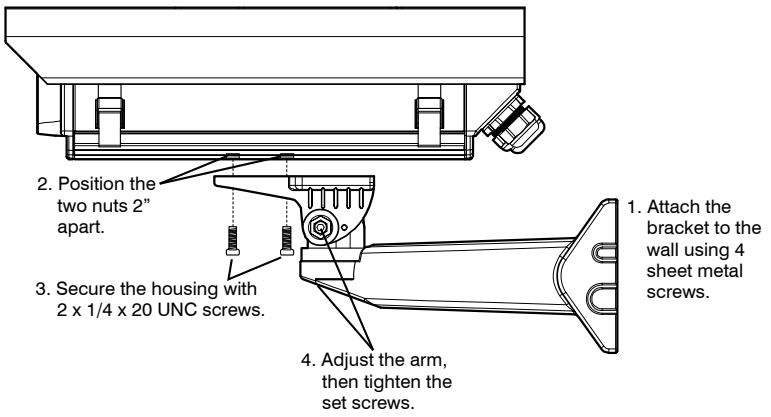
6. Latch the lid.

7. If applicable, reinstall the sunshield by sliding it across the top of the housing.

Mounting the Wall Bracket

To mount the wall bracket:

1. Use fasteners of an appropriate size and type to attach the bracket to the wall surface. Position the housing so that it allows for viewing the selected area.
2. Locate the two nuts that freely slide along the channel. Position the nuts approximately 2 inches from each other.
3. Place the housing onto the mount, aligning the holes. Insert the two 1/4"-20 UNC screws (supplied) through the mount and into the nuts and tighten to secure the assembly.
4. Adjust the moveable arm of the wall bracket to attain the desired position.
5. Tighten the bolt located at the pivot point of the moveable arm and tighten the set screw.



Maintenance

Regularly scheduled maintenance prolongs the operational life and appearance of equipment.

On a regular basis, do the following:

- Maintain picture quality by cleaning the viewing area window with a soft cloth and a mixture of mild detergent and water.
- Verify that all mounting hardware is secure.

Specifications

Housing Specifications	
Dimensions: (with sunshield)	6.0 x 4.6 x 15.9 in (153 x 118 x 406 mm)
Weight: HHC12WM2	 6.2 lbs (2.8 kg) (without mount)
Max. camera size:	Accommodates camera/lens combinations (including BNC) up to:
HHC12WM HHC12WM2	3.1 x 3.2 x 11.4 in (78 x 82 x 290 mm) 3.1 x 3.2 x 9.0 in (78 x 82 x 230 mm)
Viewing area:	2.9 x 2.4 in (73 x 61 mm)
Viewing window:	Clear 1/8″ double-density glass
Construction:	Extruded and die-cast aluminum
Finish:	Epoxy powder coating
Environment:	Indoor/outdoor: -4°F to 140°F (-20°C to 60°C) IP66 rated
Camera mounting:	Slotted camera sled
Recommended mounts:	HHMC21J (Ceiling “J” mount) HHMW13 (Wall mount) HHMCMA (Corner mount adapter) HHMPMA (Pole mount adapter)
Cable entry:	3 compression fittings: PG9, PG16, PG21

Sunshield Specifications	
Dimensions: (sunshield only)	5.9 x 2.3 x 15.9 in (150 x 60 x 406 mm)
Weight:	1.32 lbs (0.6 kg)

Heater (HHC12WM2) Specifications	
Power Supply:	24 VAC
Power Consumption:	20 W
Heater ON:	Heater turns ON at 41°F (5°C)
Heater OFF:	Heater turns OFF at 59°F (15°C)

Blower (HHC12WM2) Specifications	
Power Supply:	24 VAC
Power Consumption:	3.4 W
Blower ON:	Blower turns ON at 95°F (35°C)
Blower OFF:	Blower turns OFF at 68°F (20°C)

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