

Specifications

Power Consumption	Max. 2.5 W (IR on)
Operating Voltage Range	9 to 14 VDC (powered by DVR)
Operating Temperature Range	-4 to 122°F (-20 to 50°C)
Resolution	1080p
Infrared LED Lamps	2 high efficiency LEDs
Minimum Illumination	Color: 0.1 lux (F2.0) B&W, IR LED on: 0 lux
Enclosure Size	Diameter: 4.14" (105 mm) Height: 2.6" (66 mm)
Enclosure Material	Solid aluminum alloy
Dome	Polycarbonate
Connector Cable Length	12" (30 cm)
Weight	0.7 lbs (294 g)

Routine Maintenance

Most liquid cleaners or graffiti gel can be used to clean your camera enclosure. Do not use abrasive cleaners that can scratch the window and reduce visibility of the camera.

Replacing Damaged Housing

If the camera housing or dome is damaged or scratched, order a replacement housing from your camera distributor.

To remove and replace the housing, follow the procedures in Step 3 "Open the Camera" and Step 6 "Replace Camera Dome".

Service

If your HD3Q Series Dome Camera is to be returned for service, please call toll free **1.877.630.7366**, or **1.844.899.7366**, and provide the model and/or serial# of your unit. Ask for a Return Merchandise Authorization (RMA) number. An RMA# allows the Service Technicians to better track your product when it comes in for service. Please show the RMA# on the outside of the package. **ANY PRODUCT SENT WITHOUT AN RMA# MAY BE REFUSED.**

Technical Support

Email: service@seon.com
Phone: 1.877.630.7366

Documentation

Additional copies of this guide, along with other supporting documentation can be found on the SafeFleet Community:
<https://community.seon.com/documents/>

HD3Q Dome Camera *Quick Installation Guide*

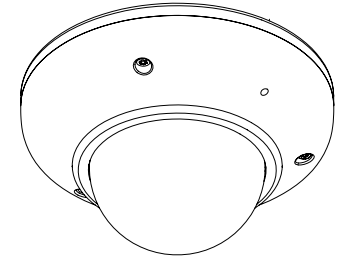
This guide applies to the following camera models:
HD3Q03A, HD3Q04A, HD3Q06A

The HD3Q camera with IR is designed for interior use only.

Installation Kit Contents

The kit includes the following components:

- 1 HD3Q camera, including dome
- 2 #10 1" self-drilling screws
- 1 Torx T20 security key
- 1 *Quick Installation Guide*
- 1 Mounting template



WARNING: Harness Compatibility

This camera requires a special Analog High Definition (AHD) harness - as indicated by a blue band in front of the connectors. Note that a standard harness may appear to work on a small analog screen, but the image will be significantly degraded during subsequent playback.

Step 1: Choose Camera Location

1. Determine the location for mounting the camera.
 - choose a solid surface to minimize vibration
 - choose a location away from access panels, hatches, or doors which may block the camera view
 - choose a location away from heat sources

Cameras are usually installed with cabling running inside wall panels.

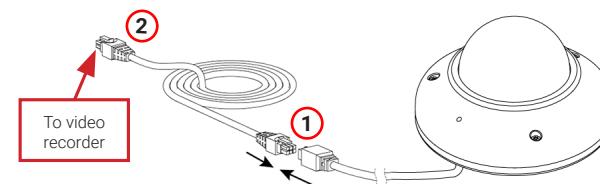
2. Use the supplied mounting template to mark the cable hole (7/8") and screw holes (5/32") on the panel.
3. Use a step-bit to drill the cable hole, and regular bits for the screw holes.

Step 2: Connect the Camera

1. Connect the camera cable to the extension harness through the panel cable hole.

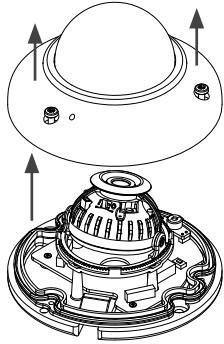
Important: Ensure the extension harness has a blue band in front of the connectors, indicating it is AHD-compatible.

2. Connect the extension harness's 2x3 Microfit connector to a compatible digital video recorder.



Step 3: Open the Camera

1. Using the security key supplied with the camera, loosen the captive screws on the housing.
2. Lift the housing off of the base.

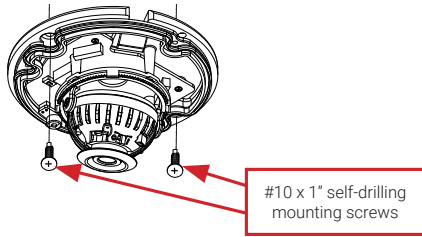


Step 4: Install the Camera

CAUTION: Camera PCB and Wiring

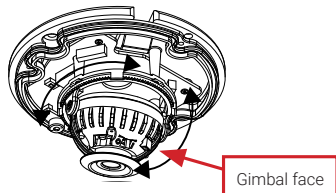
While installing the camera, do not impact the printed circuit board or wiring inside the camera with screws or screwdriver bits. Damage to the camera can result.

Use the two #10 x 1" self-drilling mounting screws supplied with the camera to attach the camera to the vehicle.



Step 5: Aim and Configure the Camera

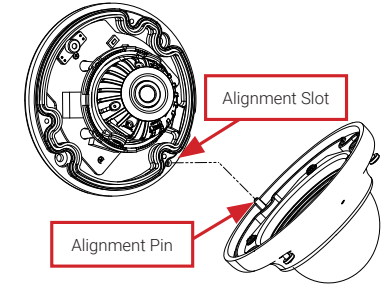
With the camera connected to the recorder and both powered on, access the recorder using a monitor connected to the local video out, and set the camera view position.



With the recorder's on-screen display showing the camera view, set the camera's pan, tilt, and rotate positions.

Step 6: Replace Camera Dome

1. Fit the dome onto the base, **ensuring the pin on the dome is aligned with the slot on the base** before tightening the security screws.
2. Ensure the foam IR boot around the camera lens is firmly pressed against the inside of the dome.
3. Use the security key to tighten the captive screws.



Step 7: Configuration Settings

1. Open the recorder's on-screen display **Camera Advanced** tab: **Configuration → Record → Camera → Camera Advanced**



2. Click the tab for the camera you want to configure.
3. Click **Set** to display the camera configuration Main Menu.
4. Use the up/down arrows to choose **IR** or **BACKLIGHT**. A triangle pointer appears to the left of the selected option.
5. Use the left/right arrows to cycle through settings until the desired option appears (for details, see the table below).
6. When you're done, use the up/down arrows to select option **4. EXIT (SAVE & END)**, then click **Set** to save your settings and close the menu.
7. Click **Back** repeatedly to exit Configuration menus.

IR (Infrared)	OFF: IR is disabled. Use in product configurations where IR is not required. ON (default): IR LEDs illuminate automatically upon sensing a low light condition.
BACKLIGHT	WDR - Wide Dynamic Range (default): helps reduce glare for scenes with simultaneous wide variance in lighting BLC - Back Light Compensation: helps improve image quality when back lighting is strong. OFF: Shutter speed is based on the light level of the entire image.

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