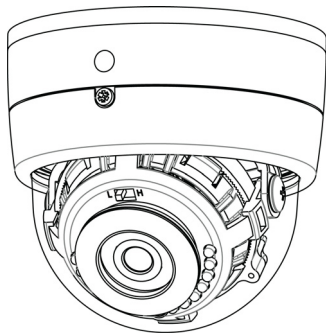


# Dome Camera CQ/CJ Series

## Quick Installation Guide



(CQ Camera shown, CJ camera has no IR lamps)

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www.seon.com Part #: 700-0125 R011

## Installation Kit Contents

The CQ camera with IR is ideal for interior facing locations. The CJ camera without IR is ideal for forward windshield facing locations.

- 1 CQ or CJ Series camera, including dome, gasket, connector cable
- 1 Local Video Connector cable (1/8" plug to RCA jack)
- 2 #10 1.25" screws with washers
- 1 Security key (part #645-0008 M3 T10)
- 1 Quick Installation Guide
- 1 Mounting template

## 1. Choose Camera Location

Determine the location for mounting the camera.

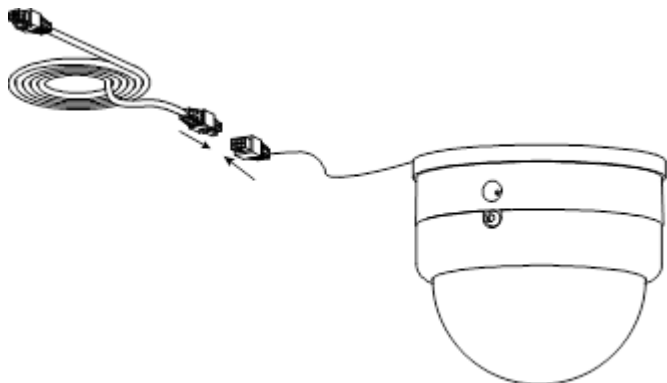
- choose a solid surface to minimize vibration
- choose a location away from access panels, hatches, or doors which may block the camera view
- choose a location away from heat sources

Cameras are usually installed with the cabling running inside the wall panels.

## 2. Connect the Camera

1. Connect the camera cable to the extension cable. See Figure 1.
2. Connect the extension cable's 2x3 Micro-Fit connector into a digital video recorder (DVR).

Figure 1

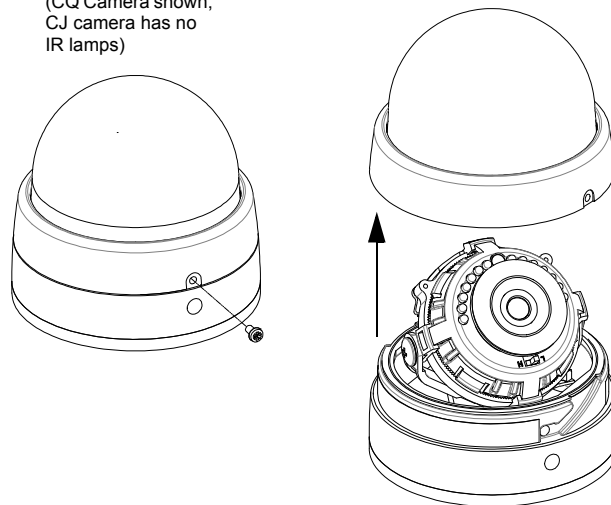


## 3. Open the Camera

1. Using the security key supplied with the camera, remove the locking screw from the bezel. See Figure 2.
2. Turn the bezel and dome counter-clockwise to release it from the base.
3. Pull the bezel and dome up and away from the base.

Figure 2

(CQ Camera shown, CJ camera has no IR lamps)



## 4. Install the Camera

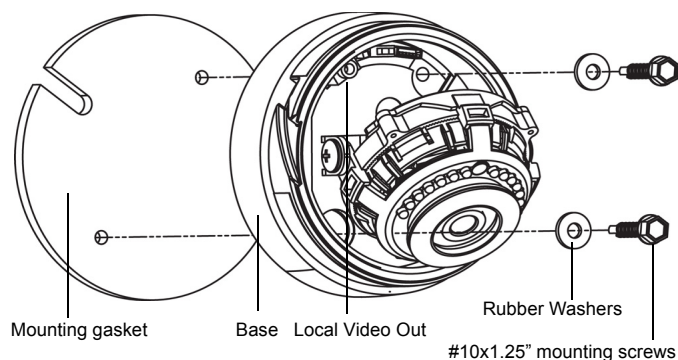


### CAUTION: Camera Damage Risk

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

Use the two #10x1.25" mounting screws and the two rubber washers supplied with the camera to attach the camera to a wall or ceiling. See Figure 3.

Figure 3 (CQ Camera shown, CJ camera has no IR lamps)



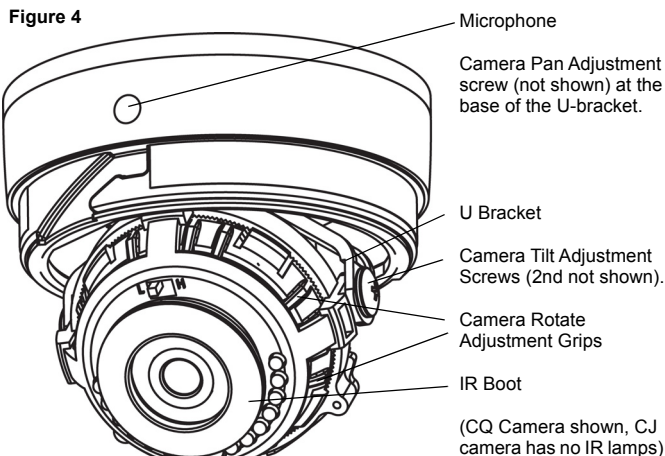
## 5. Connect Local Video Out

1. Connect the supplied 1/8" plug to RCA jack cable to the Local Video Out socket, shown in Figure 3.
2. Connect the cable to a video monitor to see the camera's line of view while aiming the camera's pan tilt and rotate positions.

(CQ only) The infrared LEDs have a five second lag when turning on or off.

## 6. Aim the Camera

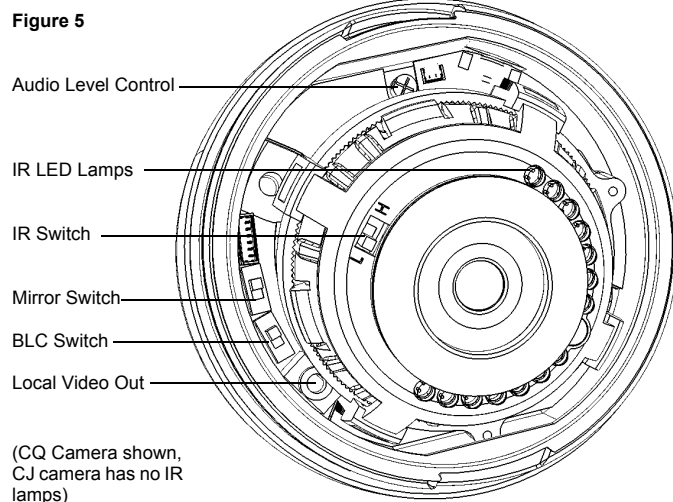
1. Before adjusting the camera, first loosen the camera's pan, tilt, and rotate adjustment screws.
2. Then adjust the settings to get the required video image using the adjustment controls shown in Figure 4.



3. Tighten all screws after adjustments are complete. Do not adjust after tightening screws.

## 7. Configuration Settings

For configuration switch locations, see Figure 5.



<b>Audio Level (Adjust only if necessary)</b>	<ul style="list-style-type: none"> <li>• Clockwise: decrease volume level.</li> <li>• Counter clockwise: increase volume level.</li> </ul>
<b>IR Levels</b>  (CQ Camera only)	<ul style="list-style-type: none"> <li>• High IR: (default) use for cameras set up to view long range. For example: aisle camera.</li> <li>• Low IR: use for cameras set up to view close range. For example: doorway camera.</li> </ul>
<b>Mirror Image Setting</b>	<ul style="list-style-type: none"> <li>• Mirror OFF: (default) camera image appears as normal.</li> <li>• Mirror ON: camera image displays as seen through a mirror.</li> </ul>
<b>Backlight Compensation</b>	<ul style="list-style-type: none"> <li>• BLC OFF: (default) shutter speed is based on the light level of the entire image.</li> <li>• BLC ON: shutter speed is based on the light levels near the center of the image. This can improve image quality when backlight is strong.</li> </ul>

## 8. Replace Camera Dome

1. Fit the bezel and dome onto the base.
2. Turn the bezel clockwise until it snaps into place.
3. Ensure the rubber IR boot around the camera lens is firmly pressed against the inside of the dome.
4. Use the security key to tighten the locking screw.

## Specifications

<b>Power Consumption</b>	1.3 W (IR off); 2.7 W (IR on, CQ only)
<b>Operating Voltage Range</b>	11 to 17 VDC (powered by DVR)
<b>Operating Temperature Range</b>	-4 to 140°F (-20 to 60°C)
<b>Horizontal resolution</b>	600 TV Lines
<b>Infrared LED Lamps</b>	(CQ only) 14 high efficiency LEDs
<b>Minimum Illumination</b>	(CQ only) 0.1 lux at F1.2 (B&W, D/N), 0 lux (IR on)
<b>Enclosure Size</b>	Diameter: 3.75" (95 mm) Height: 3.4" (86 mm)
<b>Enclosure Material</b>	Solid aluminum alloy
<b>Dome</b>	Impact-resistant polycarbonate, anti-glare, scratch-resistant hard coating, UV protected
<b>Connector Cable Length</b>	9.5" (24 cm)
<b>Local Video Out Cable</b>	1/8" (3.5mm) plug to RCA jack
<b>Weight</b>	0.9 lbs (0.4 kg)

## 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.

If the window in your camera is damaged or scratched beyond use, order a replacement window from your camera distributor.

## Replacing a Damaged Dome

1. If the camera dome is damaged or scratched, order a replacement bezel and dome assembly from your camera distributor.
2. To remove and replace the bezel and dome, follow the steps in **3 Open the Camera** and **8 Replace Camera Dome**.

## Service and Warranty

For full warranty information, go to:

<https://www.seon.com/documents/Seon-Warranty.pdf>

If your CQ Series Dome Camera is to be returned for service, please contact Technical Support, and provide the model and/or serial number of your unit. Ask for a Return Merchandise Authorization (RMA) number. An RMA number allows the Service Technicians to better track your product when it comes in for service. Please show the RMA number on the outside of the package.

**ANY RETURNED PRODUCT WITHOUT AN RMA NUMBER MAY BE REFUSED.**

## Customer Service Contact Information

Technical Support:  
1.844.899.7366

General Enquiries:  
1.877.630.7366

Email: [service@seon.com](mailto:service@seon.com)

## Product Information

For product information and documentation, please visit the Safe Fleet Community:

<https://community.seon.com>

Please contact Technical Support if you do not have access credentials.