

Quick Guide

V840D Series Dome Cameras



XX308-20-01

Vicon Industries Inc. does not warrant that the functions contained in this equipment will meet your requirements or that the operation will be entirely error free or perform precisely as described in the documentation. This system has not been designed to be used in life-critical situations and must not be used for this purpose.

Document Number: 8009-8308-20-01 Product specifications subject to change without notice. Issued: 5/19 Copyright © 2019 Vicon Industries Inc. All rights reserved.

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Safety and Compliance Information

Installation and removal of the unit and its accessories must be carried out by qualified personnel. You must read all of the Safety Instructions supplied with your equipment before installation and operation.

Installation

- This device is a class A product and may cause radio interference. Take measures if necessary.
- Be careful not to blur, scratch, damage the dome cover or leave fingerprints on it because this could decrease image quality. Keep the protective film on the dome cover until installation is complete.
- Make sure the camera operates in an environment where the temperature and humidity meet requirements. Keep the camera from excessive pressure, vibration, moisture, dust, and intensive electromagnetic radiation.
- Use a power adapter or a PoE device that meets requirements. Otherwise, the device may be damaged.
- Make sure the length of the power cable between the power adapter and the camera is not too long, otherwise the voltage of the camera is lowered, causing the camera to work abnormally. If it is required to lengthen the power cable, lengthen the cable between the power adapter and the mains.
- Do not hold the tail cable by hand for weight bearing. Otherwise, the cable connector of the camera could be loosened.
- When connecting to an external interface, use an existing connection terminal, and ensure that the cable terminal (latch or clamp) is in good condition and properly fastened. Ensure that the cable is not tense during mounting, with a proper margin reserved to avoid poor port contact or loosening caused by shock or shake.
- The connectors of the tail cable must not be exposed. The bar cavity, waterproof box, corrugated pipe and PVC pipe must be fully sealed to protect the connectors from water. The waterproof components

for the RJ45 plug must be used properly to protect the network cable from water.

- Make sure the wall or ceiling is strong enough to support the weight of the camera. If dust falls during mounting, take off the dome cover and keep it away from dust. Install the dome cover after the base is installed.
- Purchase a bracket if you need to increase the field of view. Contact your local dealer for details.
- Contact professionals for maintenance information. Do not attempt to dismantle the device by yourself. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
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Maintenance

- Caution: There will be risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- If there is dust on the lens or the transparent dome cover, remove the dust gently using an oil-free brush or a rubber dust blowing ball.
- If there is grease on the lens, remove the grease using an oil-free cloth gently and then clean the lens in a circular spiral from the center outward using an oil-free cloth or a lens cleaning paper dipped with small amount of cleaning solution. If the grease still cannot be removed, change to another oil-free cloth or lens cleaning paper and clean the lens gently until it is removed.
- If there is grease or a dust stain on the transparent dome cover, clean the cover gently from the center outward using anti-static gloves or an oil-free cloth. If the grease or the stain still cannot be removed, use anti-static gloves or an oil-free cloth dipped with detergent and clean the dome cover gently until it is removed.
- Do not use organic solvents, such as benzene or ethanol when cleaning the transparent dome cover.

- Make sure the lens cleaning cloth is clean itself.



- Never look at the transmit laser while the power is on. Never look directly at the fiber ports and the fiber cable ends when they are powered on.
- Use of controls or adjustments to the performance or procedures other than those specified herein may result in hazardous laser emissions.

Regulatory Compliance

FCC Part 15

This equipment has been tested and found to comply with the limits for digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

LVD/EMC Directive



This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive–2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

► Default IP, Username and Password

- By default, the camera is set to obtain an IP address via DHCP. If your network does not have DHCP, the camera will use a link local IP, i.e., 169.254.x.x, or use the discovery tool to find the camera's IP address.
- Default username: **ADMIN**
- Default password: **1234**



The default password is used for your first login. To ensure account security, it is recommended to change the password after your first login. Be sure to set a strong password (no less than eight characters).

► Packing List

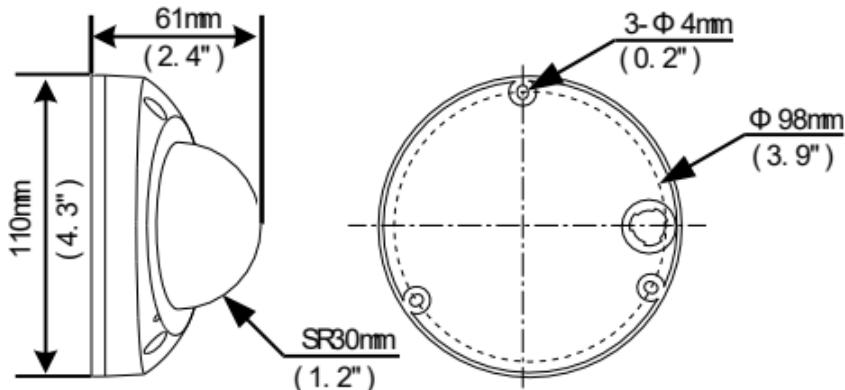
Check your package to make sure that you received the complete system, including all components listed below.

Item	Quantity
Camera	1
Quick Guide	1
Accessory pack	1

Appearance

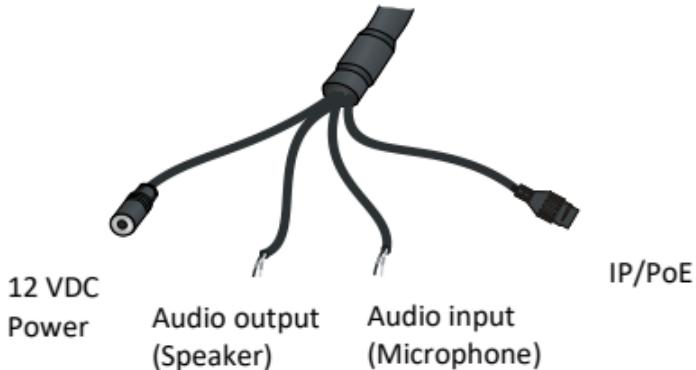
Dimensions

The figures in this manual are for reference only. Use the supplied template to mark and create mounting holes.



Cable Connections

Refer to the following figure for connecting cables.





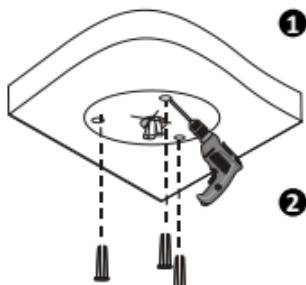
For specifications, see the latest product datasheets.

▶ Mounting the Camera

Ceiling Mount

The dome camera can be ceiling or wall mounted; mounting accessories are available separately. The following steps use ceiling mounting as an example; wall mounting is similar.

1. Loosen the captive screws and remove the dome assembly to access the mounting base. Do not remove desiccant bags.



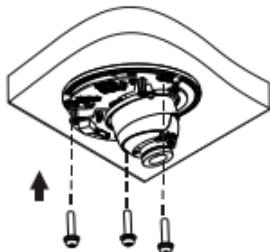
①

Using the drill template provided, mark the hole locations and drill holes in the ceiling; use a $\Phi 6\text{mm}$ - 6.5mm drill bit to drill 30mm-depth guide holes.

②

Insert the plastic anchors for the self-tapping screws into the mounting holes and ensure they are secure.

2. Route cabling to the installation site and connect all cables; secure the camera to the ceiling using self-tapping screws (supplied).

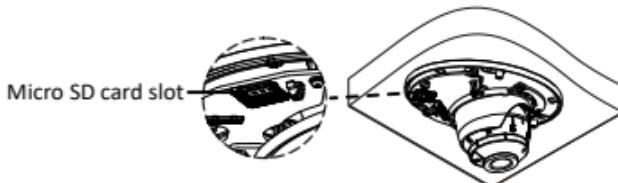


3. Adjust the camera position:

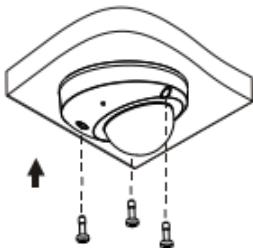
Grasp the camera assembly and carefully rotate and tilt it to the position required. The camera can be rotated in pan 60°, tilt 90° and rotate around its axis 360°.



4. (Optional) Insert a Micro SD card in the slot provided.

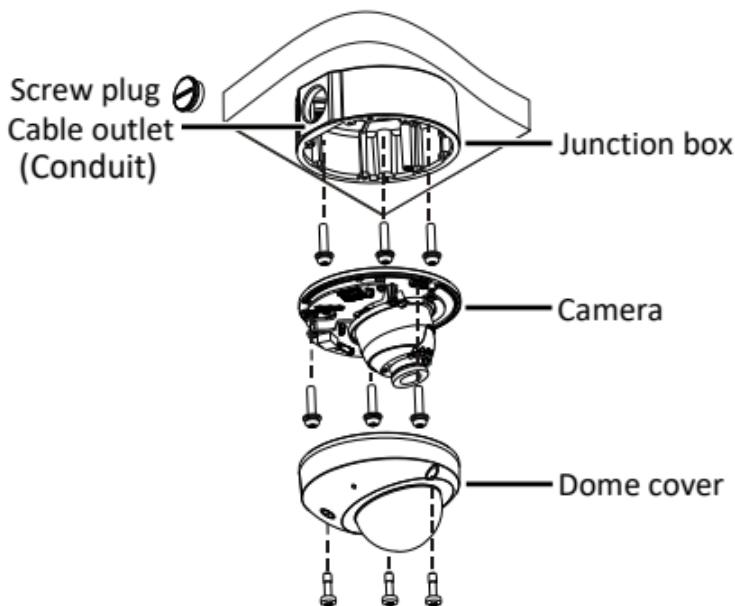


5. Replace the dome assembly and tighten the screws.



- Keep the transparent dome free from dust during installation.
- Ensure that the dome screws are inserted securely.

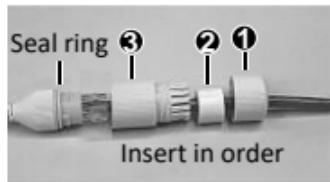
The preceding installation process is for a concealed installation, where cables are routed through the ceiling directly to the surface-mounted camera. For installations where the cabling is routed externally, via conduit (customer supplied), an optional backbox must be used. Install the conduit/backbox first and then connect all the cables and secure the camera onto the ceiling.



Connect and waterproof the cables before routing them into the junction box. See instructions below.

As a mounting alternative, the V840D can be mounted to a 4x4 electrical box, using the V840D-PLATE, or to a surface on a tilt, using the V840D-WDG.

Waterproof Components for an RJ-45 Plug



The accessory kit includes an RJ-45 protective cover. Install the supplied seal ring onto the RJ-45 connector. Install the waterproof components in the order shown onto the Ethernet cable (customer supplied). Then insert the Ethernet cable into the RJ-45 connector of the camera and screw the waterproof bolt until snug.



When fabricating your own Ethernet cable, Vicon recommends to crimp the inner wires of the cable with the RJ-45 plug first and then cover the waterproof components.

Access Your Camera

Before you begin, check that:

- Your camera is operating properly and connected to the network.
- The PC you are using is installed with Internet Explorer 7.0 or later.

Follow these steps to access your camera through the Web interface:

1. Open your browser, enter the IP address of your camera in the address bar and then press **Enter** to open the login page.
2. Enter the username and password; click **Login**. The default username is ADMIN and default password is 1234. It is recommended to change the password after first login.
3. Your browser must be set to allow ActiveX controls to view video.

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- Install ActiveX the first time you login. When the installation is complete, open your Internet Explorer (IE) browser to log in.
 - For your first login with Windows 7, if the system does not prompt you to install ActiveX, follow these steps to turn off UAC (User Account Control): click the **Start** button and then click **Control Panel**. In the search box, type **uac** and then click **Change User Account Control Settings**. Move the slider to

- the **Never Notify** position and then click **OK**. After UAC is turned off, log in again.
- If the installation fails, open **Internet Options** in IE before login. Click the **Security** tab, click **Trusted sites**, and then click **Sites** to add the website. In Windows 7, you need to save the setup.exe to your PC first and then right-click the file, select **Run as administrator**, and then install it.