TruVision Stainless Steel Dome Camera Installation Guide

P/N 1073434-EN • REV A • ISS 27FEB18

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Certification

FCC compliance **Class A:** This equipment has been tested and found to comply with the limits for a Class A 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.

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

(1) This device may not cause harmful interference.

(2) This Device must accept any interference received, including interference that may cause undesired operation.

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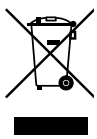

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Introduction

Product overview

This is the installation guide for the TruVision Stainless Steel dome camera model:

- TVD-5801 (2MPX camera, 2.8-12 mm lens)

Installation

This section provides information on how to install the cameras.

Installation environment

When installing your product, consider these factors:

- **Electrical**: Install electrical wiring carefully. It should be done by qualified service personnel. Always use a proper PoE switch or a 12 VDC UL listed Class 2 or CE certified power supply to power the camera. Do not overload the power cord or adapter.
- **Ventilation**: Ensure that the location planned for the installation of the camera is well ventilated.
- **Temperature:** Do not operate the camera beyond the specified temperature, humidity, or power source ratings. Humidity is below 90%. For the outdoor cameras that feature built-in heaters, the operating temperature range is -40 to 60°C (-40 to140°F)
- **Moisture:** Do not expose the camera to rain or moisture or try to operate it in wet areas. Turn the power off

immediately if the camera is wet and ask a qualified service person for servicing. Moisture can damage the camera and also create the danger of electric shock.

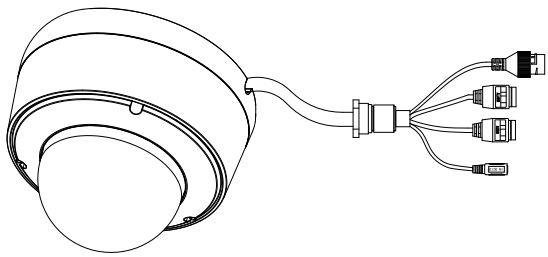
- **Servicing**: Do not attempt to service this camera yourself. Any attempt to dismantle or remove the covers from this product will invalidate the warranty and may also result in serious injury. Refer all servicing to qualified service personnel.
- **Cleaning**: Do not touch the sensor modules with fingers. If cleaning is necessary, use a clean cloth with some ethanol and wipe the camera gently. If the camera will not be used for an extended period of time, put on the lens cap to protect the sensors from dirt.

Package contents

Check the package and contents for visible damage. If any components are damaged or missing, do not attempt to use the unit; contact the supplier immediately. If the unit is returned, it must be shipped back in its original packaging.

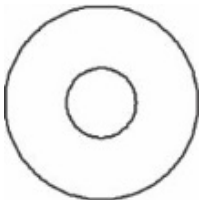
Package contents include the following:

Camera

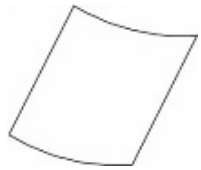


Installation guide

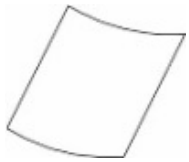
CD with configuration manual and TruVision Device Manager



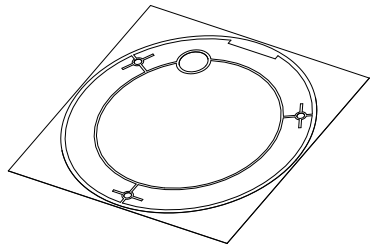
Equipment disposal sheet



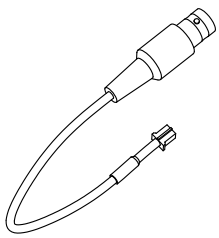
Battery disposal sheet



Drill template



Video test cable

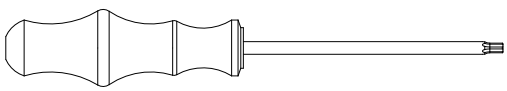


Screws

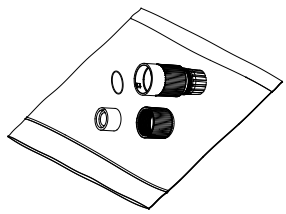
Drywall anchor
7.5 × 24.5 mm (4 pcs)

Screw
M4 × 25 mm (4 pcs)

Torx driver



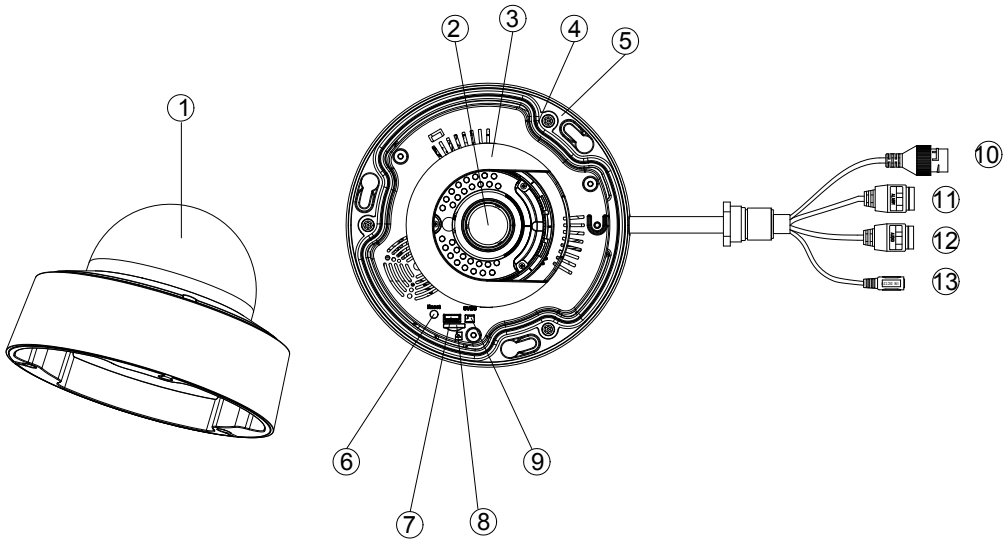
Water joint: Provides water resistance to network cable connector



CAUTION: Use direct plug-in UL listed power supplies marked Class 2/CE certified or LPS (limited power source) of the required output rating as listed on the unit.

Camera description

Figure 1: Dome camera description and connectors



1. Bubble assembly
2. Lens
3. Dome liner
4. Rubber sealing
5. Base
6. Reset button
7. Serial port (for internal use)
8. SD card slot
9. Video test port
10. Ethernet RJ45 PoE port
11. Alarm I/O
12. Audio I/O
13. 12 VDC power cable

IR illuminators

The camera's built-in IR illumination provides high-quality video in low-light environments, even when there is no other illumination available.

You can configure the IR illumination using a web browser or a client software, such as TruVision Navigator. If the function is enabled, the IR light is On when the camera enters night (black and white) mode. If disabled, the IR light is always Off.

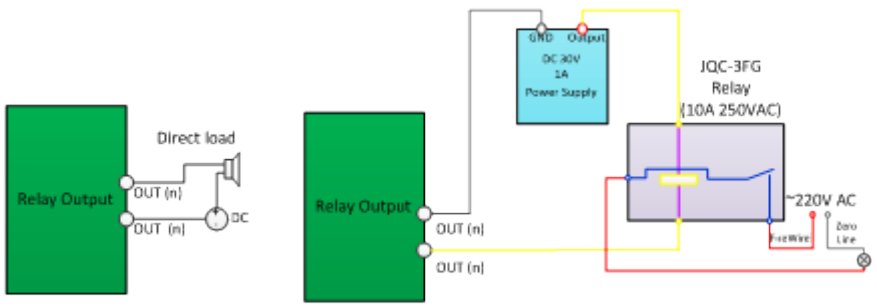
The visible IR range may vary due to multiple factors such as weather, IR reflection level of objects in frame, lens adjustment, and camera settings. Please refer to the camera datasheet for the standard IR range.

Note: Avoid installing the IR camera in close proximity to a solid object such as a tree or wall. The reflection will cause over-exposure and loss of visibility of detail in the field of view.

Alarm input and output connections

The alarm output can be used to turn on and off an external alarm device. Connect a 30 VDC/1A external power supply to the alarm output. If using an AC power supply, an external relay must be used to prevent electric shock and damage to the device. See Figure 2 below.

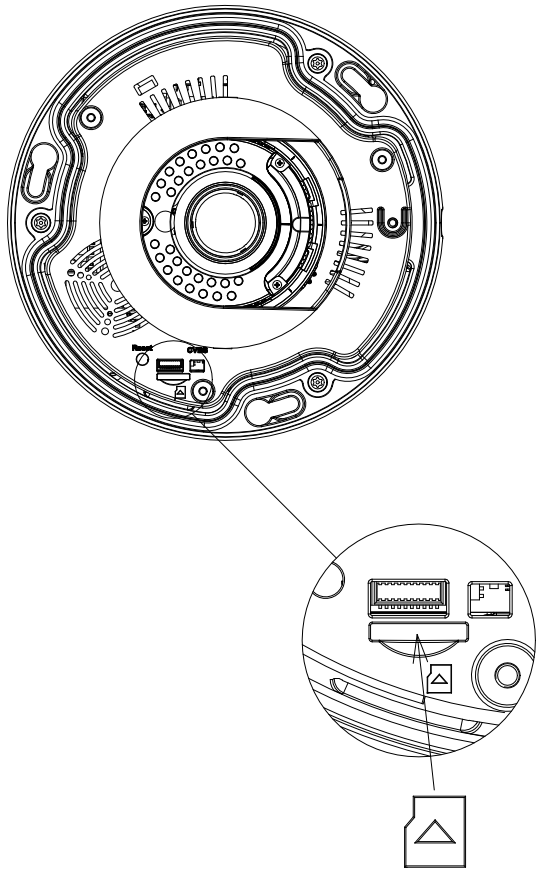
Figure 2: External alarm output



SD memory card installation

To install the SD memory card in the dome camera

1. Loosen the three torx screws on the bubble assembly.
2. Insert the memory card into the SD card slot until it clicks into place.



3. Reinstall the bubble assembly on the camera base.

Mounting the dome camera

To mount the dome on a wall:

The TruVision Stainless Steel Dome Wall Mount (TVD-WBS, not included) is required to wall mount the dome camera.

Refer to the installation guides provided with the TVD-WBS wall mount for instructions on mounting the stainless steel dome camera to the wall.

To mount the dome on the ceiling:

The TruVision Stainless Steel Pendant Mount (TVP-PAS, not included) is required to ceiling mount the dome camera.

Refer to the installation guides provided with the TVP-PAS pendant mount for instructions on mounting the stainless steel dome camera to the ceiling.

Mounting the TVJ-JBS junction box

Refer to the installation guide provided with the TVJ-JBS junction box for instructions on mounting the camera in conjunction with the TVJ-JBS junction box.

Using the camera with an Interlogix NVR or Hybrid DVR or another system

Please refer to the NVR/DVR user manuals for instructions on connecting and operating the camera with these systems.

Using the camera with TruVision Navigator

The camera can be connected to an Interlogix NVR, hybrid DVR, or directly to TruVision Navigator. Please refer to the user manual of TruVision Navigator and/or of the NVR or hybrid DVR for instructions.

Access the camera over the internet

Use the web browser to access and control the camera over the internet.

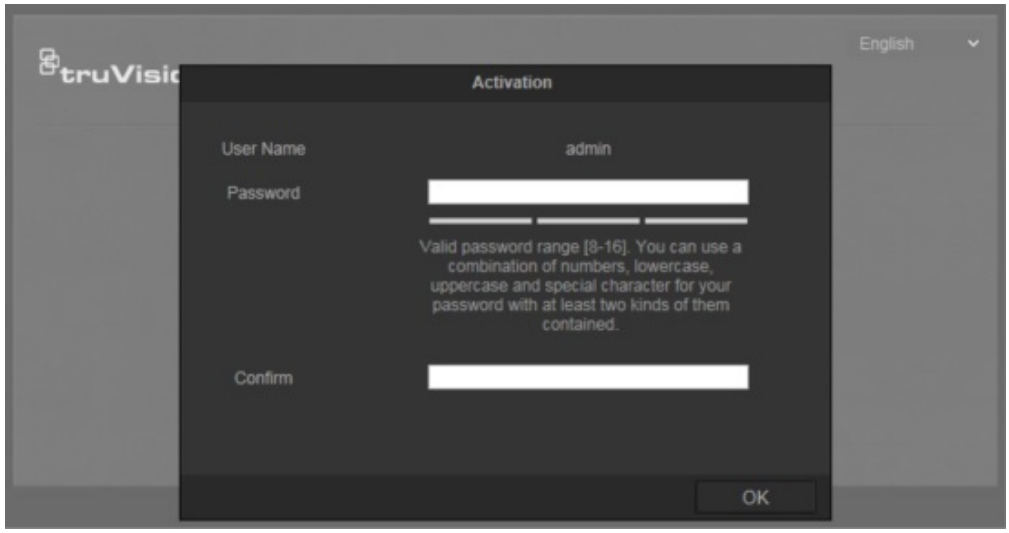
Note: Any changes made to the camera's configuration only apply to this camera. Only authorized users should be able to modify camera settings.

When you first start up the camera, the Activation window appears. You must define a high-security admin password before accessing the camera. There is no default password provided.

You can activate a password via a web browser and via TruVision Device Manager (included on the CD to find the IP address of the camera).

To activate the camera via the web browser:

1. Power on the camera and connect the camera to the network.
2. Type the IP address into the address bar of the web browser and press Enter to enter the activation interface.



Note:

- The default IP address of the camera is 192.168.1.70.
- For the camera to enable DHCP by default, you must activate the camera via TruVision Device Manager. Please refer to the following section, “To activate the camera via TruVision Device Manager.”

3. Type the password in the **Password** field.

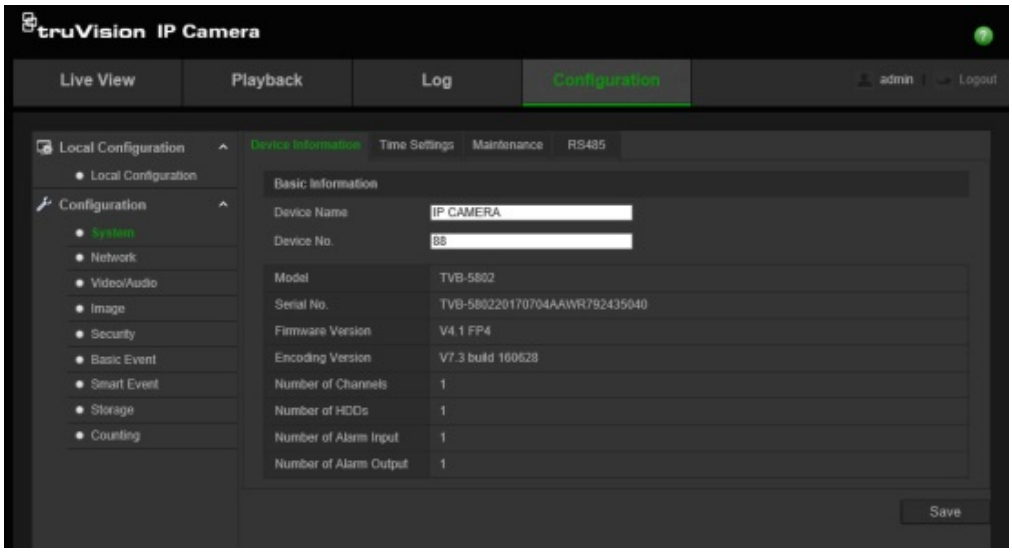
   Note: A valid password range must be between 8 and 16 characters. You can use a combination of numbers, lower and upper case letters, and special characters : _ - , . * & @ / $? Space. The password must contain characters from at least two of these groups. We also recommend that you reset your password regularly. For high security systems, it is particularly recommended to reset the password monthly or weekly for better protection.

4. Confirm the password.

5. Click **OK** to save the password and enter the live view interface.

6. Click the **Configuration** tab on the top of the screen and select the parameter to change.

Figure 3: Example of a configuration window



To activate the camera via TruVision Device Manager:

For instructions on how to activate the camera using TruVision Device Manager, refer to the *TruVision Device Manager User Manual*. Go to www.interlogix.com/video/product/truvision-device-manager and click **Downloads**.

Specifications

Electrical	
Voltage input	12 VDC, PoE+
Power consumption	Max. 16 W
Miscellaneous	
Connectors	Audio In/Out, Alarm In/Out, 12 VDC Power, Ethernet RJ45 PoE port
Operating temperature	-40 to +60°C (-40 to +140°F)
Dimensions	165.4 × 130 mm (6.51 x 5.12 in.)
Weight	3.36 kg (7.41 lb.)
Environmental rating	IP67

Pin definitions

There are eight wires on a standard UTP/STP cable and each wire is color-coded. The following shows the pin allocation and color of straight and crossover cable connection:

Figure 4: Straight-through cable

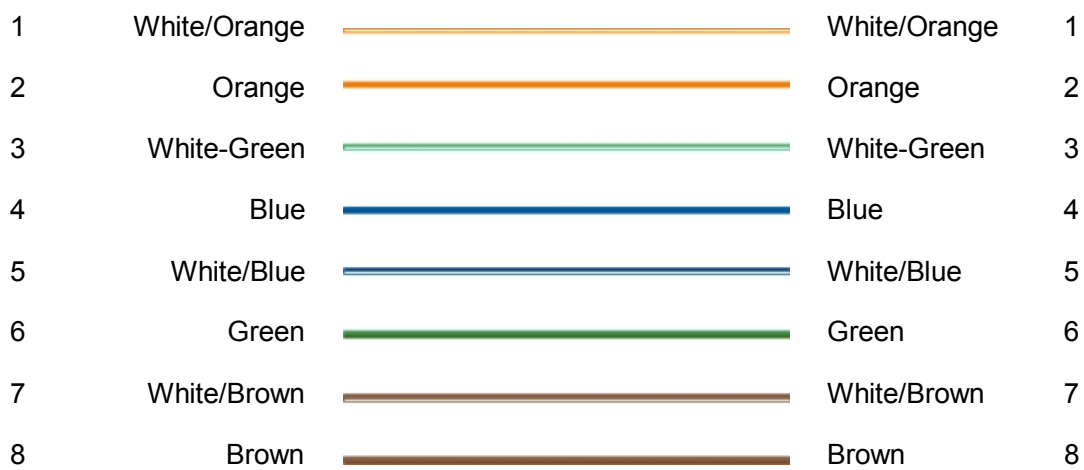
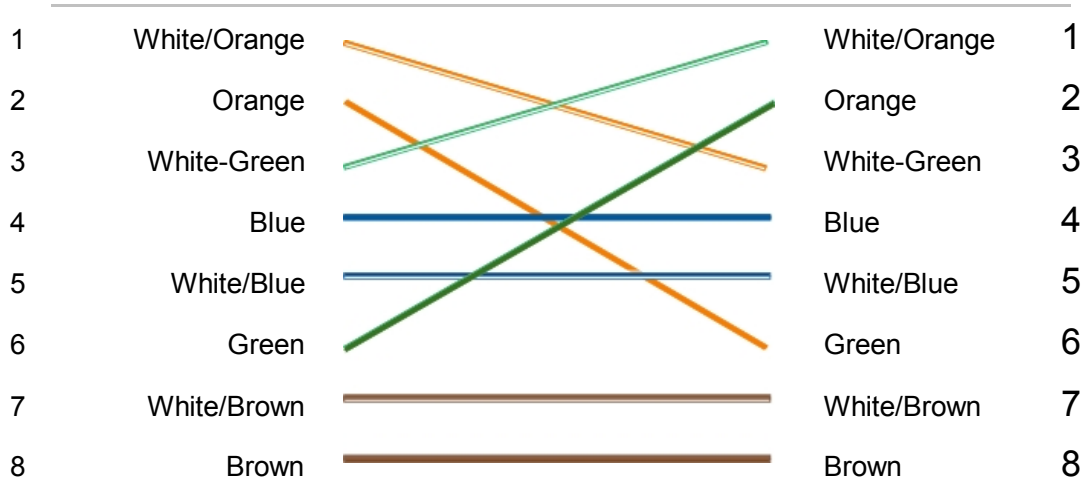


Figure 5: Cross-over cable



Ensure that the connected cables have the same pin assignment and color as above before deploying them in the network.