TruVision IP PTZ Camera Installation Guide

P/N 1072666A-EN • REV 1.0 • ISS 24SEP13

Copyright © 2013 UTC Fire & Security Americas Corporation, Inc.

Interlogix is part of UTC Climate Controls & Security, a unit of United Technologies Corporation. All rights reserved.

Trademarks and patents The Product Name and logo are trademarks of United Technologies.

Other trade names used in this document may be trademarks or registered trademarks of the manufacturers or vendors of the respective products.

Manufacturer UTC Fire & Security Americas Corporation, Inc.
2955 Red Hill Avenue, Costa Mesa, CA 92626-5923, USA

Authorized EU manufacturing representative:
UTC Fire & Security B.V.
Kelvinstraat 7, 6003 DH Weert, The Netherlands

Certification N4131

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

ACMA compliance **Notice!** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Canada This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-0330 du Canada.

European Union directives **12004/108/EC (EMC directive):** Hereby, UTC Fire & Security declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.

2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

Contact information For contact information, see www.interlogix.com or www.utcfssecurityproducts.eu.

Content

Introduction 3
Product overview 3

Before you begin 4

Installation environment 4

Camera description 5

Installing a camera 6
Pendant-mount camera 6
Flush-mount camera 8
Surface-mount camera 10
Using the camera with an Interlogix NVR or Hybrid DVR or another system 14
Using the camera with TruVision Navigator 14

Accessing the camera over the internet 14

Specifications 16

Pin definitions 17

Introduction

This installation guide provides basic information on setting up and using the TruVision IP PTZ Camera. Detailed information on the cameras can be found in the configuration manual.

Product overview

This is the installation guide for following TruVision IP PTZ camera models:

- TVP-1101 (1.3MPX pendant, PAL)
- TVP-3101 (1.3MPX pendant, NTSC)
- TVP-1102 (1.3MPX surface, PAL)
- TVP-3102 (1.3MPX surface, NTSC)
- TVP-1103 (1.3MPX flush, PAL)
- TVP-3103 (1.3MPX flush, NTSC)
- TVP-1104 (2MPX pendant, PAL)
- TVP-3104 (2MPX pendant, NTSC)
- TVP-1105 (2MPX surface, PAL)
- TVP-3105 (2MPX surface, NTSC)
- TVP-1106 (2MPX flush, PAL)
- TVP-3106 (2MPX flush, NTSC)

Before you begin

Unpack everything. Check the items for damage, and verify that all items are included. The camera is shipped with the following items:

- Dome camera
- Installation Guide
- CD with the Configuration Manual

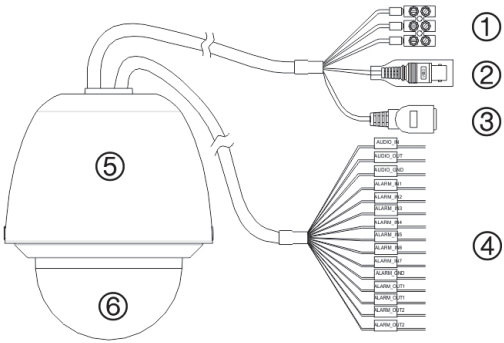
Installation environment

When installing your camera, consider these factors:

- Place the camera in a secure location.
- Ensure that the camera is in a well-ventilated area.
- Do not expose the camera to rain or moisture.

Camera description

Figure 1: Overview of the dome camera (pendant-mount shown)

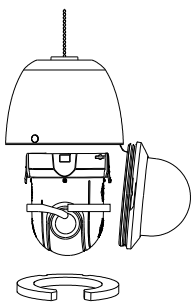


1. Power supply cord
   Connect 24 VAC power supply
2. Video output
   Connect the BNC connector to a CCTV monitor
3. Ethernet RJ45 connector. Connect to the network devices
   Connect to the PoE+ switch
4. Alarm input/outputs and audio in/out port
5. Housing
6. Bubble

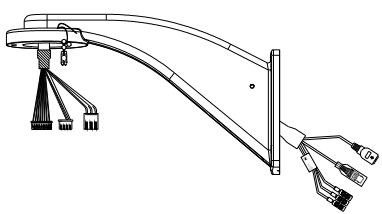
Installing a camera

Pendant-mount camera

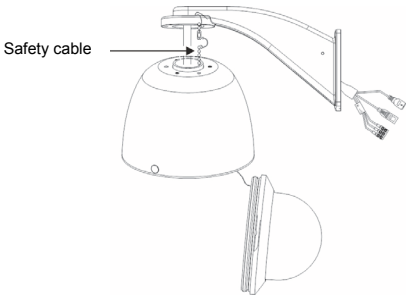
1. Prepare the mounting surface and install the camera bracket.
2. Unscrew the bubble from the camera and remove the protective tape from the PTZ module.
3. Press the two tabs on either side of the PTZ module and remove the module from the camera housing.



4. Route the cables from the pendant bracket as shown below.



5. Attach the safety cable to the bracket and connect the cables to the PCB of the module through the cable entry hole on top of the housing.

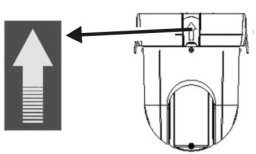


Note: If alarm and audio input/output relays are to be used, also connect them to the PCB of the module.

Caution: The safety cable is made of metal. Please ensure that it does not touch the PCB of the module.

6. Attach the camera housing to the bracket using the screws enclosed with the bracket.
7. Insert the PTZ module into the housing:

   Position the tabs on the PTZ module by aligning the arrow label on the module with those on the housing (see below). The module should firmly snap into position. If using a SD card, insert it into the module before inserting the module into the housing.

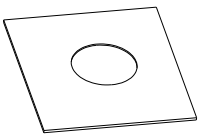


8. Re-attach the bubble by screwing it to the housing.

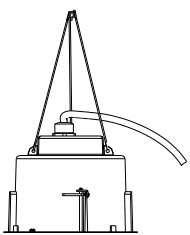
9. See “Accessing the camera over the internet” on page 14 to configure the camera over the internet. Refer to the Configuration Manual for detailed information.

Flush-mount camera

1. Drill a hole on the ceiling using the drill template.



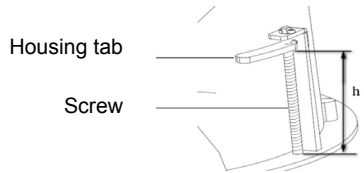
2. Tie three safety cables (not supplied) to the safety hooks on the camera and hang the camera from a secure point.



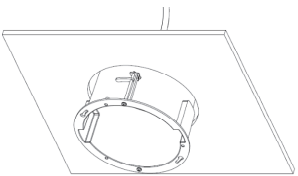
3. Unscrew the bubble from the camera and remove the protective tape from the PTZ module.
4. Press the two tabs on either side of the PTZ module and remove it from the camera housing.
5. Route the cables from the bracket and connect them to the PCB of the module through the cable entry hole on the top of the housing.

   Note: If alarm and audio input/output relays are to be used, also connect them to the PCB of the module.

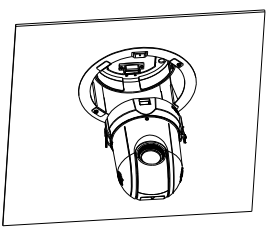
6. Adjust the height of the two housing tabs by turning the screw on which they are attached. The distance (h) of the tabs from the housing ring must be greater than the thickness of the ceiling.



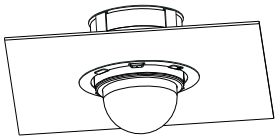
7. Make sure the housing tab is closed and then PUSH the housing into the pass-through hole. Hold the housing and fix it by screwing the housing tabs down to the mounting surface



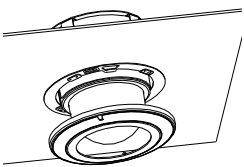
8. Insert the PTZ module into the housing:



9. Re-attach the bubble by screwing it to the housing.



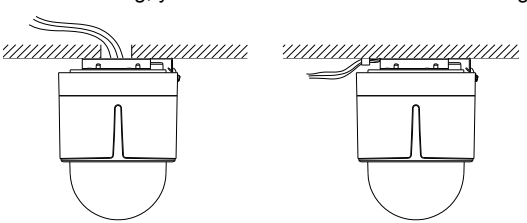
10. Install the trim ring. Align the trim ring to the housing, and insert the fix-pins to the holes. Then rotate the ring clockwise to secure.



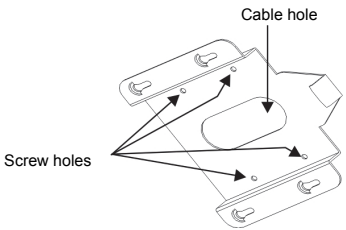
11. See “Accessing the camera over the internet” on page 14 to configure the camera over the internet. Refer to the Configuration Manual for detailed information.

Surface-mount camera

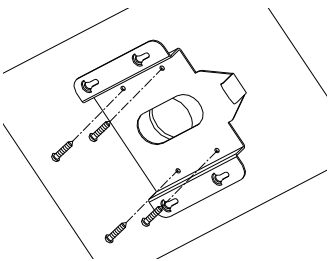
The cables of PTZ camera can be routed either from the top or the side of the housing. For the cables routed from the top of the housing, you must drill a cable hole in the ceiling.



1. Use the mounting base as a template to mark four screw holes onto the ceiling. If you route cables from the top of the housing, mark the cable hole on the ceiling and drill a hole.



2. Secure the mounting base to the ceiling with the set screws.

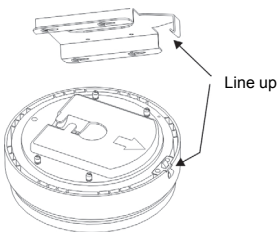


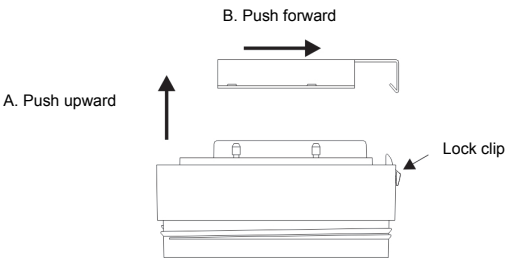
3. Unscrew the bubble from the camera and remove the protective tape from the PTZ module.
4. Press the two tabs on either side of the PTZ module and remove it from the camera housing.
5. Route the cables from the bracket and connect them to the PCB of the module through the cable entry hole on the top or side of the housing.

   Note: If alarm and audio input/output relays are to be used, also connect them to the PCB of the module.

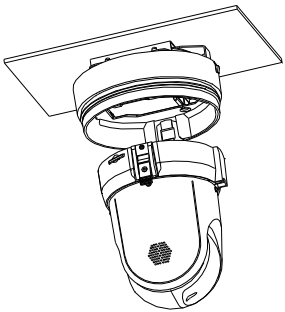
6. Install the housing onto the mounting base. Line up the direction of the arrow on the housing with the spring end of the mounting base. Push the housing upwards (A) and then forwards (B) in the direction of the arrow.

   When the housing is placed in position, the spring will automatically snap into the lock clip firmly. Refer to the figures below.

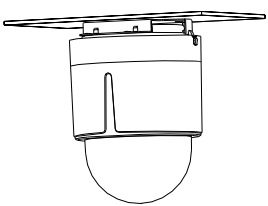




7. Insert the PTZ module into the housing:



8. Re-attach the bubble by screwing it to the housing.



Warning: After installation, the PTZ module will perform a PTZ self-test and initializes with the power on. DO NOT touch and move the camera while it is self-testing and initializing.

9. See “Accessing the camera over the internet” on page 14 to configure the camera over the internet. Refer to the Configuration Manual for detailed information.

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

A camera must be connected to an Interlogix NVR or hybrid DVR to be operated by TruVision Navigator. Please refer to the TruVision Navigator user manual for instructions on operating the camera with the TruVision Navigator.

Accessing 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.

Change the administrator password once the set-up is complete. Only authorized users should be able to modify camera settings.

To access the camera online:

1. In the web browser enter the camera's IP address (default is 192.168.1.70). The Login dialog box appears.
2. Enter your user name and password.

   Default user name: admin

   Default password: 1234

   Click **Login**. The web browser screen appears in live mode. The live screen is initially blank.

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

Figure 2: Example of a configuration window

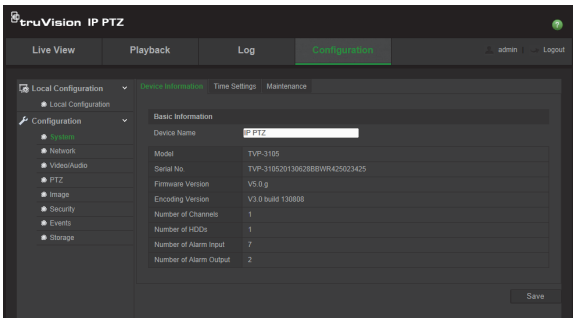


Table 1: Overview of the Configuration panel

Configuration folders	Description
System	Defines device basic information including SN and the current firmware version, time settings, and maintenance parameters.
Network	Defines the network parameters required to access the camera over the internet.
Video/Audio	Defines recording parameters.
PTZ	Defines the PTZ parameters.
Image	Defines the image parameters, OSD settings, overlay text, and privacy mask.
Security	Defines who can use the camera, their passwords and access privileges, RTSP authentication, IP address filter, and telnet access.
Events	Defines motion detection, tamper-proof, alarm input/output, exception, and snapshot configuration.

Configuration folders	Description
Storage	Defines recording schedule, storage management and NAS configuration.

.

Specifications

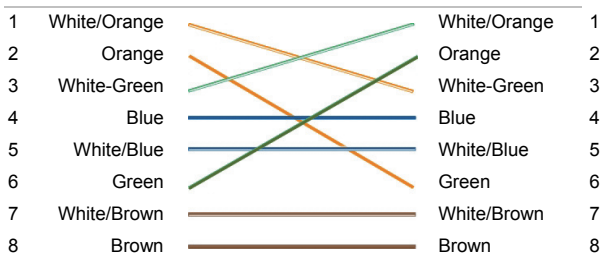
Electrical	
Voltage input	24 VAC, PoE+ (IEEE 802.3at)
Power consumption	Pendant housing: PoE: Max. 25 W 24 VAC: Max. 65 W Flush housing: Max. 25 W Surface housing: Max. 25 W
Miscellaneous	
Operating temperature	Pendant housing: PoE+ for -30 to 65 °C 24 VAC: -40 to +65 °C Flush housing: -10 to +50 °C (14 °F to 122 °F) Surface housing: -10 to +50 °C (14 to 122 °F)
Dimensions	Pendant housing: Ø 220 × 266 mm Flush housing: Ø 206 × 251 mm Surface housing: Ø 180 × 240 mm
Weight	Pendant housing: 3,5 kg Flush housing: 3 kg Surface housing: 2,5 kg
Environmental rating	Pendant housing: IP66 Flush housing: IP54 Surface housing: IP54

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 3: Straight-through cable

Figure 4: Cross-over cable



Please make sure your connected cables have the same pin assignment and color as above before deploying the cables in your network.