

TruVision High Definition TVI Vandal Dome Installation Guide

TVD-2402/TVD-4402

TVD-2404/TVD-4404

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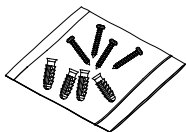
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Product overview

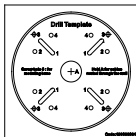
This is the Pocket Guide for TruVision High Definition TVI dome TVD-2402/TVD-4402 and TVD-2404/TVD-4404. This guide describes a standard installation.

Package contents:

- Camera with power and video output cables
- 4 screws and 4 anchors for wall or ceiling installation



- Template
- 3 screws for install the camera to back box



- Hex wrench



- Monitor output cable

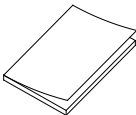


- Spare rubber knockout

There is a rubber knockout on the camera back box. This one is for future use.



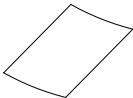
- Installation Guide



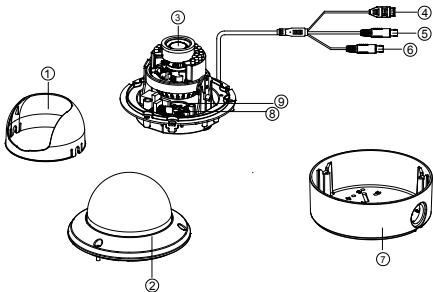
- CD



- WEEE and Battery Disposal



Camera description



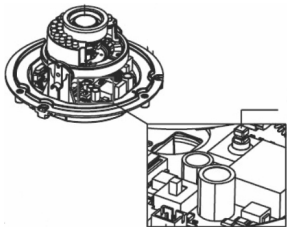
- | | |
|------------------------------------|----------------------------------|
| 1. Dome liner | 6. TVI video output cable (grey) |
| 2. Bubble | 7. Back box |
| 3. Lens | 8. DIP switch |
| 4. Power cable | 9. Menu button |
| 5. CVBS video output cable (black) | |

Note:

Please check the camera output settings before setting up a system. The TVI video output can be only connected to DVR with TVI signal input. The CVBS output supports the standard monitor, test monitor, encoder and DVR.

For TVD-2402/TVD-4202, the CVBS and TVI output can not be performed at the same time, you can use the built-in DIP switch to select the camera video output.

For TVD-2404/TVD-4404, the built-in DIP switch is used to enable/disable WDR feature, when WDR feature is enabled, the CVBS output will be blocked out.

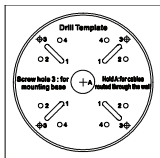


DIP switch

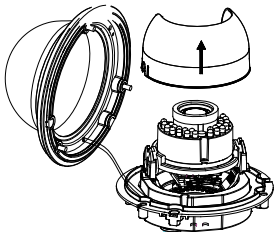
Installation

To install the camera on a ceiling:

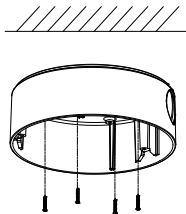
1. Using the template, place it level against the mounting surface and mark the position of the mounting holes.



2. Following all local codes, drill and prepare the mounting holes.
3. Remove the camera from its back box.
4. Loosen the three set of screws on the edge of the bubble with the supplied hex wrench.
5. Remove the bubble and the dome liner.

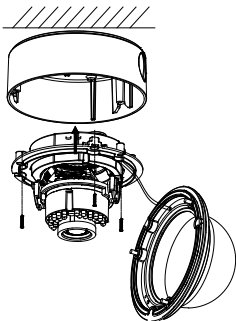


6. Secure the back box to the ceiling with the supplied screws.

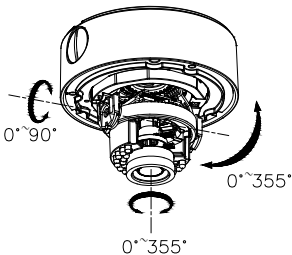


Note: Please remove the rubber knockout for cable routing outside of the camera, when required.

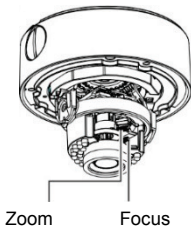
7. Using a 75-ohm coaxial video cable, connect the camera TVI video output and a TVI DVR, and connect a 12 VDC or 24 VAC power supply to the power cable.
8. Align the camera with the back box and tighten the set screws to secure the camera to the back box.



7. Adjust the surveillance angle:
- 1) View the camera image on a monitor.
 - 2) Rotate the panning table to adjust the pan direction [0 to 355°].
 - 3) Loosen the tilting lock screw.
 - 4) Rotate the tilting table to adjust the tilt direction [0 to 90°].
 - 5) Tighten the tilting lock screw.
 - 6) Rotate the camera lens holder [0 to 355°] to adjust the lens to the surveillance angle.



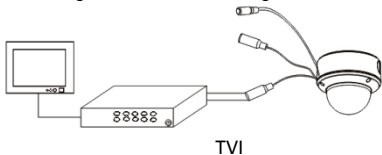
8. Zoom and focus adjustment.
 - 1) View the camera image using the monitor.
 - 2) Loosen the zoom lever and move the screw between T (Tele) and W (Wide) to obtain the appropriate angle of view.
 - 3) Tighten the zoom lock screw.
 - 4) Loosen the focus lever and move the screw between F (Far) and N (Near) to obtain the optimum focus.
 - 5) Tighten the focus lock screw.



Programming

Programming on TVI output:

Once the camera hardware has been installed, you can configure the camera settings on the TVI DVR.



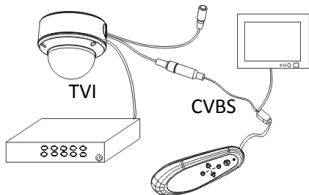
Please select PTZ protocol as TruVision Coax and click menu button to call up the camera menu.

For more details, please see the TVI DVR user manual.

Programming on CVBS output:

Programming on CVBS output, you need to connect a monitor and a TVS-C200 controller (purchase separately) as following system figure.

The TVS-C200 has one male BNC output and a female output. Please connect the male output to camera's CVBS output and female output to a monitor.



TVD-2402/TVD-4402

The camera has CVBS and TVI selectable video output. Please set the built-in DIP switch to CVBS for viewing the program on a standard monitor.

In such case, its TVI will be blocked out until you finish the settings and change DIP switch back to TVI.

TVD-2404/TVD-4404

The camera has the CVBS and TVI dual video output. The built-in DIP switch is for WDR/CVBS selection.

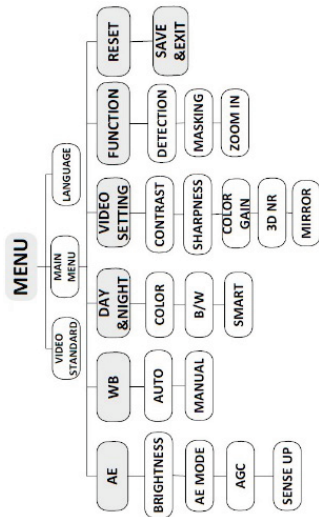
Please set the built-in DIP switch to CVBS for viewing the program on a standard monitor.

When the programming is finished, you may change the DIP to WDR to enable the WDR feature. In such case, the CVBS output will be blocked out.

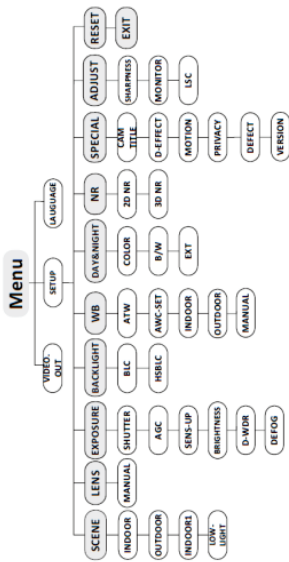
If the DIP is set as CVBS, the WDR feature will be disabled, and the camera has CVBS and TVI output available at the same time.

Menu

TVD-2402/TVD-4402:



TVD-2404/TVD-4404:



Specifications

Power supply	24 VAC/12 VDC
Current	TVD-2402/ TVD-4402: 12 VDC: Max. 300 mA 24 VAC: Max. 210 mA TVD-2404/TVD-4404: 12 VDC: Max. 375 mA 24 VAC: Max. 270 mA
Power consumption	TVD-2402/ TVD-4402: 12 VDC: Max. 3.5W 24 VAC: Max. 5W TVD-2404/TVD-4404: 12V DC: Max. 4.5W 24V AC: Max. 6.5W
Weight (net)	641 g / 1.41 lb. (without back box) 932 g / 205 lb. (with back box)
Dimensions	Ø145.3 x 124.2 mm (Ø 5.72 x 4.89 in.)

Legal and Regulatory information

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Manufacturer:

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

Certification:



FCC compliance: Class A

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/CE (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.



2012/19/EU (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:

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