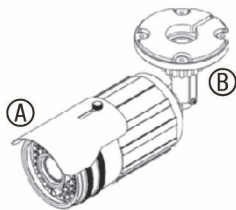


# TruVision TVB 2102/ TVB 4102 /TVB 2103/ TVB 4103 IR Bullet Camera Installation Instructions

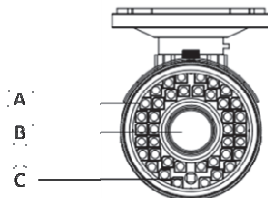
Figure 1: Parts of the camera



A. Sunshield

B. Hidden cable bracket

Figure 2: Camera front



A. LED IR lights (total number of lights varies by model)

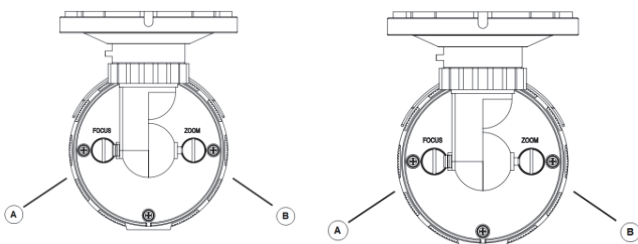
B. Lens

C. Light sensor

Figure 3: Camera zoom and focus adjustment

TVB-2102/TVB-4102

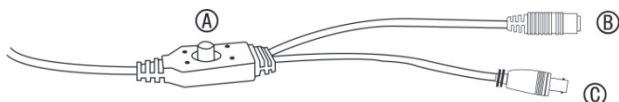
TVB-2103/TVB-4103



A. Focus

B. Zoom

Figure 4: OSD control cable (for TVB-2103/ 4103 only)



A. OSD control button; B. power cable; C. video cable

## Overview

These are the TruVision IR Turret Camera installation instructions for models TVB-2102/TVB-4102 and TVB-2103/TVB-4103. The instructions describe a standard installation

The camera consists of the following:

- Camera with power and video output cables
- Sunshield
- Drilling-hole template
- One dual power terminal block with its screw and anchor
- Four anchors and four screws for wall or ceiling installation

Refer to Figures 1, 2 and 3 when performing the camera setup procedures.

## Installation

When installing the camera, please use the mounting bracket.

To install the camera:

1. Place the drilling-hole template on the mounting surface and mark the position of the mounting holes.
2. Following all local codes, drill and prepare the mounting holes.
3. Securely fasten the mount to the mounting surface with the appropriate fasteners.
4. Connect a 75-ohm coaxial video cable to the video cable, and connect a 12 VDC or 24 VAC power supply to the power cable.
5. If needed, seal all mounting holes so that no moisture can leak into the mounting surface.
6. Adjust the camera position and angle as required.
7. If necessary, use a flat blade screwdriver to adjust the zoom first, and then adjust the focus (see Figure 3).

## Programming

The OSD programming feature is available for TVB-2103/TVB-4103 only.

Once the camera hardware has been installed, the camera can then be configured.

The Setup menu provides access to the camera configuration options. The on-screen display (OSD) is only available in English, Chinese, Korean, Japanese, Russian, French, Spanish, Italian, Portuguese, Dutch, German, Polish, Turkish, Hebrew and Arabic.

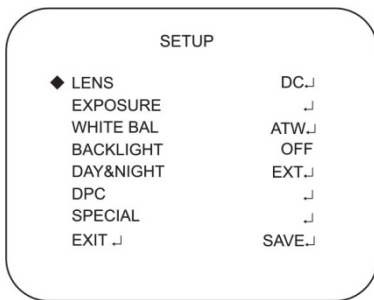
Program the camera by attaching a standard video monitor to the camera.

#### To access the Setup menu:

1. Press the OSD control button (**Enter**) to access the Setup menu and its submenus. See Figure 4 and Figure 5..
2. Push the button up, down, left, and right to move between menu options.
3. Press the OSD control button to select an option.
4. When in a submenu, select **Return** to return to the previous menu.
5. To exit the Setup menu, move the cursor to **Exit** at the bottom of the screen and press **Enter**. All changes are saved.

Note: In the Day/Night submenu, only EXT mode is available. The AUTO, COLOR, and B/W modes are disabled to avoid IR cut circulation in low light conditions.

Figure 5: Setup menu



## Specifications

Power supply	24 VAC/12 VDC
Current	<b>TVB-2102/TVB-4102:</b> 24 VAC 187mA/ 12 VDC 181 mA (IR OFF) 24 VAC 510mA/ 12 VDC 604 mA (IR ON) <b>TVB-2103/TVB-4103:</b> 24 VAC 188mA/ 12 VDC 173 mA (IR OFF) 24 VAC 516mA/ 12 VDC 629 mA (IR ON)
Power consumption	<b>TVB-2102/TVB-4102</b> 24 VAC 2.2W/ 12 VDC 2.172W (IR OFF) 24 VAC 7.2W/ 12 VDC 7.248W (IR ON) <b>TVB-2103/TVB-4103:</b> 24 VAC 2.2W/ 12 VDC 2.076W (IR OFF) 24 VAC 7.3W/ 12 VDC 7.512W (IR ON)
Weight (net)	<b>TVB-2102/TVB-4102:</b> 2.04 lb. (950 g) <b>TVB-2103/TVB-4103:</b> 2.39 lb. (1085 g)

Dimensions (D × H × L)	<b>TVB-2102/TVB-4102:</b> 2.99 x 7.09 x 7.47 in. (76 x 180 x 190 mm)
	<b>TVB-2103/TVB-4103:</b> 3.5 x 7.56 x 8.09 in. (88 x 192 x 206 mm)

## Regulatory information

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
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FCC compliance	Class B: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
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There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Certification	  N4131
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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.
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	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: <a href="http://www.recyclethis.info">www.recyclethis.info</a> .
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## Contact information

For contact information, see [www.interlogix.com](http://www.interlogix.com) or [www.utcssecurityproducts.eu](http://www.utcssecurityproducts.eu).