TruVision High Resolution TVI Bullet IR Camera TVB-2406/TVB-4406 Installation Guide

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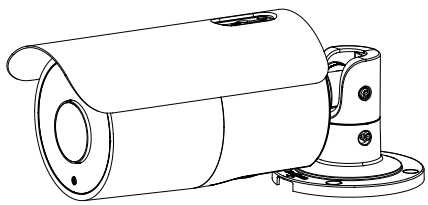
Overview

This is the TruVision High Resolution TVI Bullet IR Camera Installation Guide for the camera model TVB-2406/TVB-4406. This guide describes a standard installation.

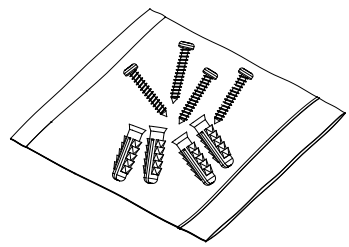
Package contents

The camera consists of the following:

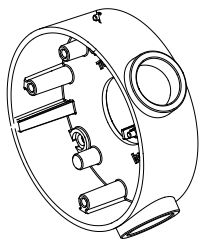
- Camera with power and video output cables



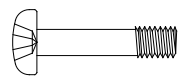
- 4 screws and 4 anchors for wall or ceiling installation



- Back box

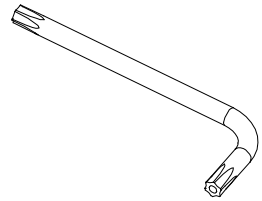


- Screws M4.8 × 18, 4 pcs to attach the back box

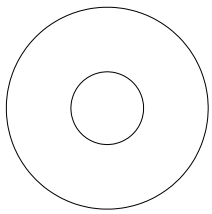


- Template

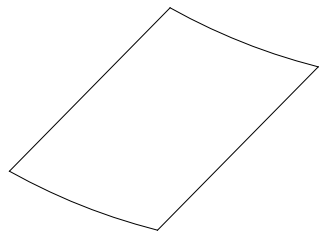
- Hex wrench



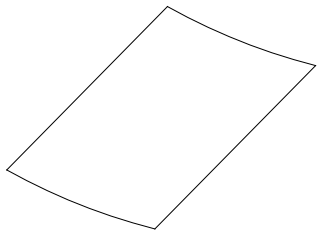
- CD



- Installation guide

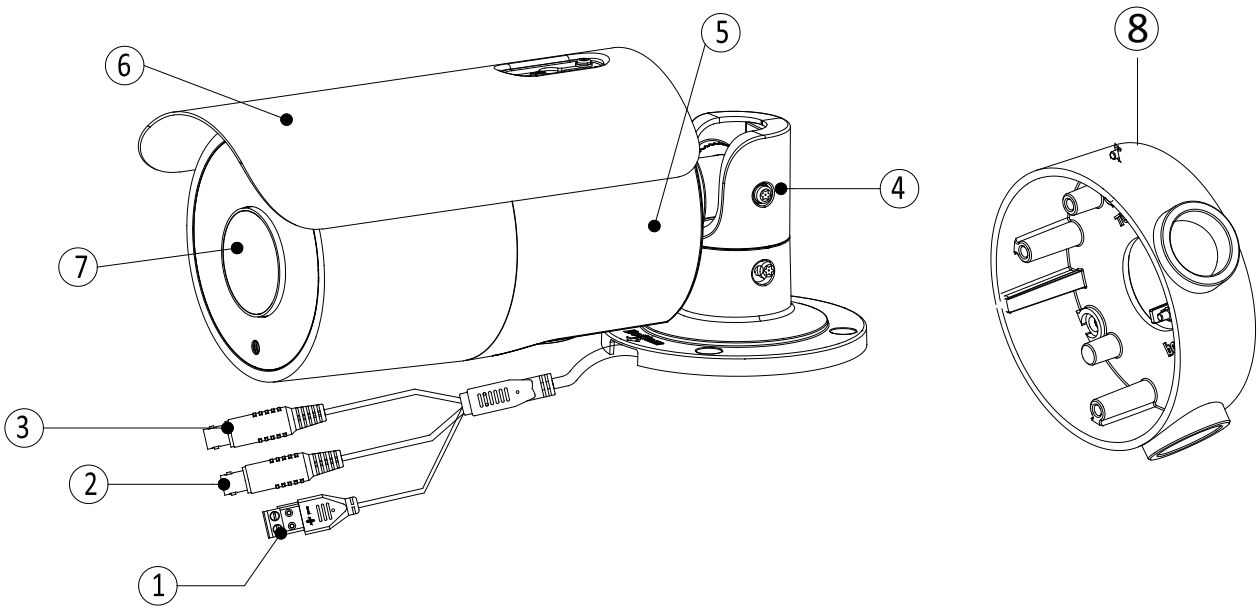


- WEEE and battery disposal



- BNC monitor output cable

Description

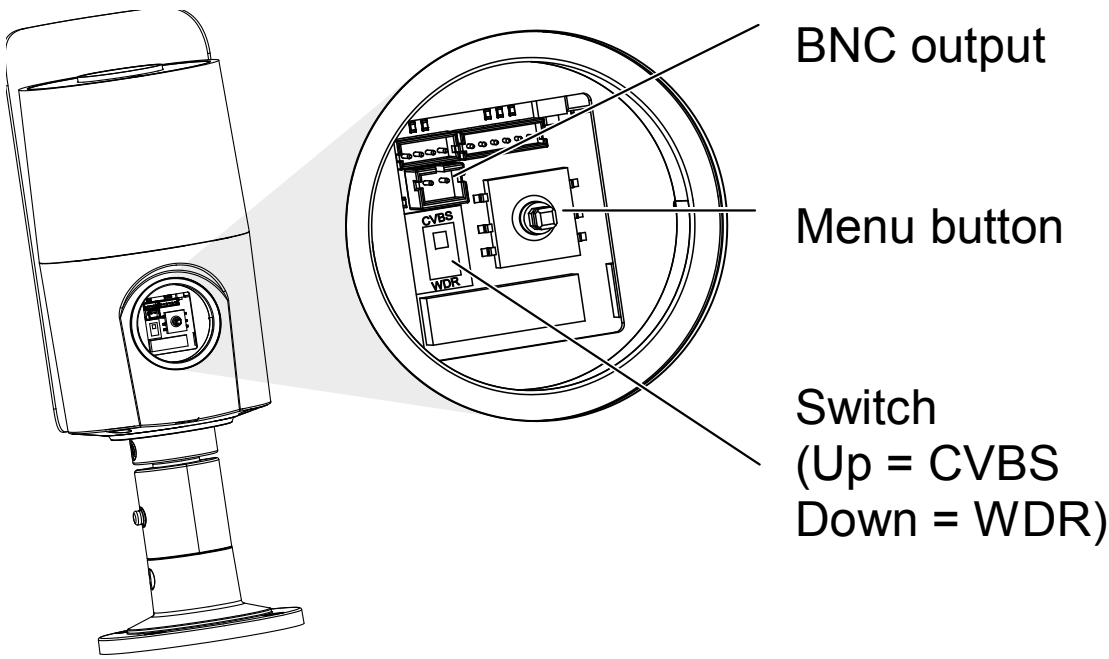


1. Power cable
2. CVBS output (black)
3. TVI output (grey)
4. Mounting bracket
5. Camera body
6. Sun shield
7. Lens cover
8. Back box

Note:

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

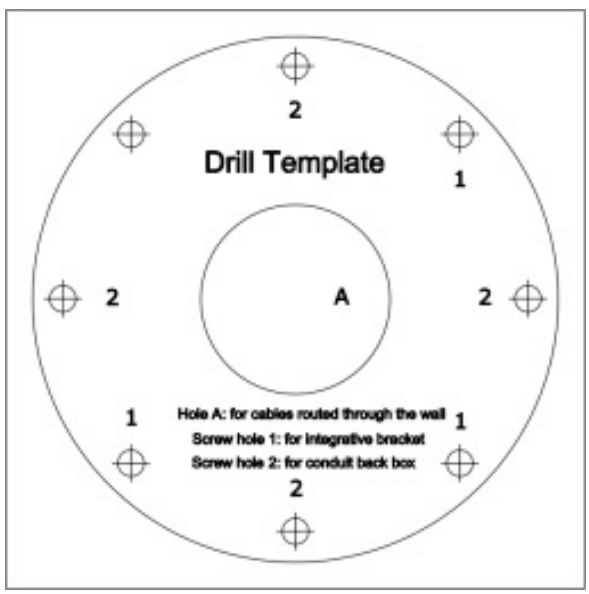
The built-in switch is used to enable/disable the WDR feature. When WDR feature is enabled, the CVBS output will be blocked out.



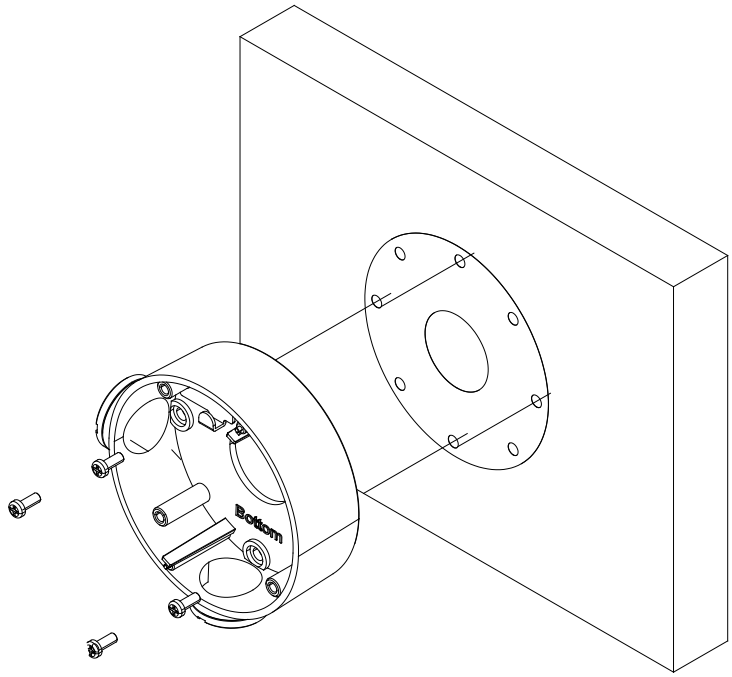
Installation

To install the camera

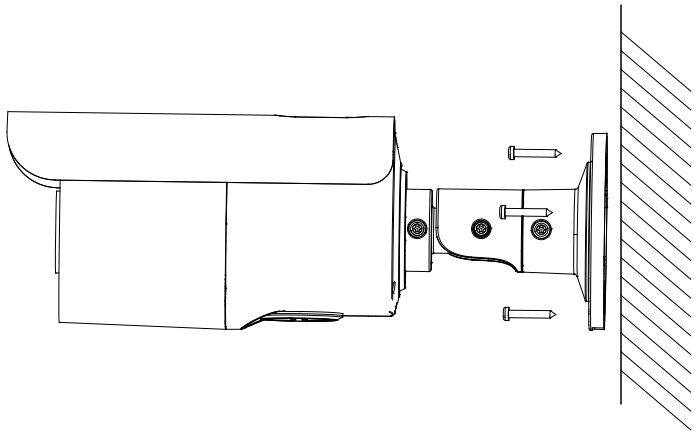
1. Using the template, place it level against the mounting surface and mark the position of the mounting holes.

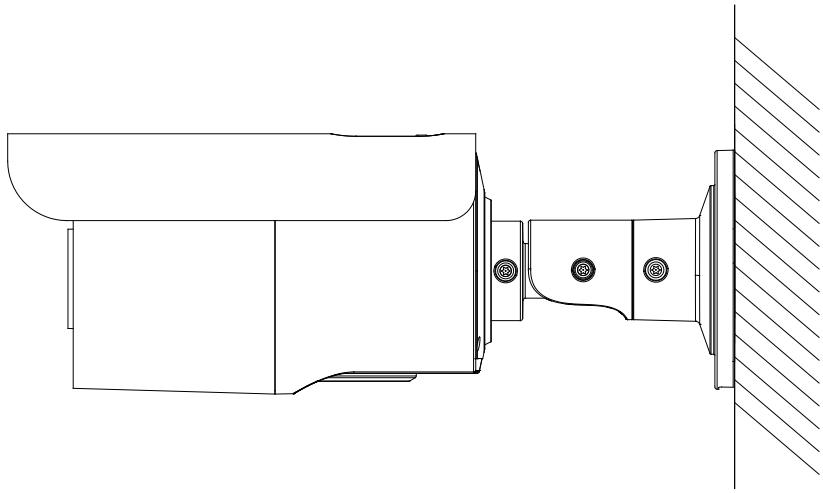


2. Following all local safety regulations, drill and prepare the mounting holes.
3. As an optional step, install the back box on the wall.

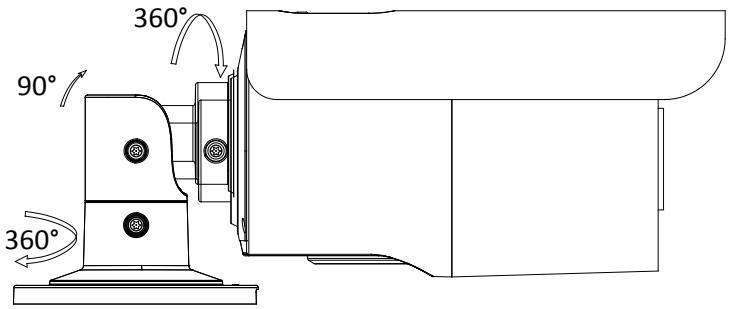


4. Route the cables to the cable hole and connect the corresponding cables. Using a 75-ohm coaxial video cable, connect the camera's TVI video output to a TVI DVR, and connect a 12 VDC or 24 VAC power supply to the power cable.
5. Secure the camera to the ceiling or wall with the enclosed screws.





6. Loosen the three screws and adjust the camera according to the figure below to get an optimum angle. Tighten the screw after completing the adjustment.



7. Using the zoom and focus buttons on the PTZ panel of the connected recorder, adjust the camera's zoom and focus.

Note: The camera has auto-focus capability. When this feature is enabled, the camera can automatically adjust itself to achieve the best focus.

Operating temperature range

The camera has a built-in heater that works within the temperature range of -40 and +60 °C (-40 to +140 °F). The heater only works at 24 VAC. The heater is not for de-ice or de-fog purposes.

You can configure the heater option in the OSD menu under SET UP > SPECIAL > HEATCTRL. There are three options:

Off: Heater is disabled.

Auto: The heater starts to work when the temperature falls below -10 °C (14° F). When temperature increases to -5 °C (23 °F), it will stop working.

On: The heater is enabled until the temperature reaches 40 °C (104 °F), when it is then automatically disabled.

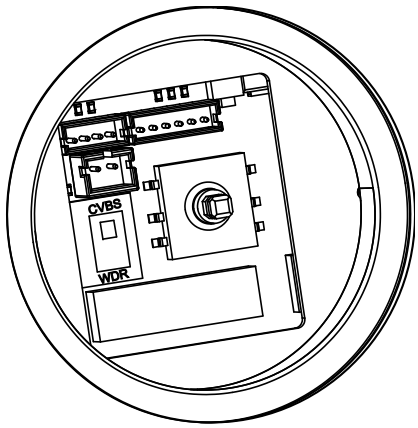
Program

Once the camera hardware has been installed, you can then program the camera.

The camera has a built-in OSD button and supports UtC (Up to Coax) control over both CVBS and TVI outputs.

Using the buttons

Please press the **Menu** button to call up the OSD menu and select an OSD item.



Press the button up/down to move the cursor up or down to an OSD item.

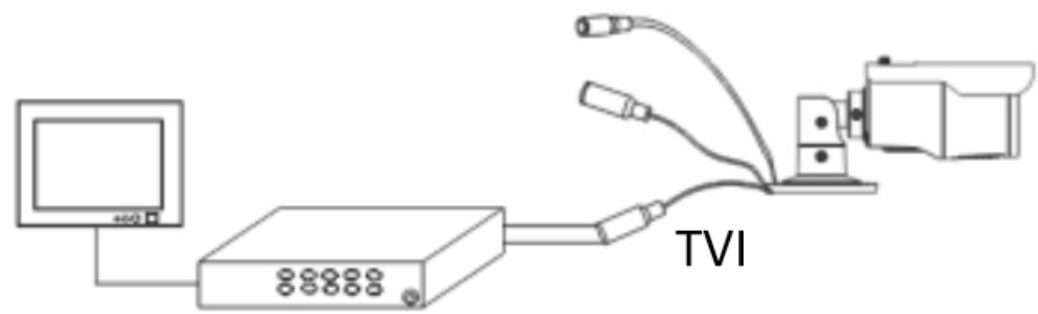
Press the button left/right to move the cursor left or right to adjust the value of a selected OSD item.

Using a TVI output

Programming over the camera's TVI output can be done via a TVI DVR.

Connect the TVI cable to the DVR, as shown below.

Figure 1: TVI cable connection



Access the PTZ menu of the connected DVR. Set the **TruVision-Coax** protocol and use the PTZ control panel to configure the camera.

Click **Iris+** to access to the camera OSD menu and select an OSD item.

Click the directional buttons **UP** or **DOWN** to move the cursor up or down to an OSD item.

Click the directional buttons **LEFT** or **RIGHT** to move cursor left or right to adjust the value of a selected OSD item.

Note:

TVB-2406/TVB-4406 has an auto-focus motorized lens. Please use the **ZOOM** and **FOCUS** buttons to adjust its zoom and focus.

When the Auto-focus feature is enabled, the camera can automatically adjust itself to achieve the best focus

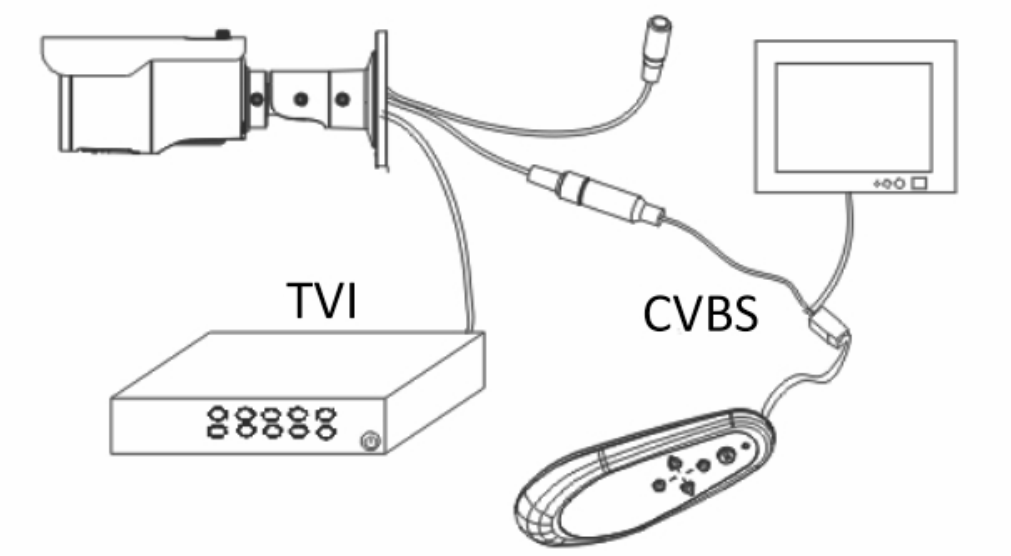
For more details, refer to the TVI DVR user manual.

Using a CVBS output

A TVS-C200 (purchase separately) can be used to program the camera over its CVBS output, not the TVI video output.

Connect a monitor and the TVS-C200 controller (if required) as shown below.

Figure 2: CVBS cable connections

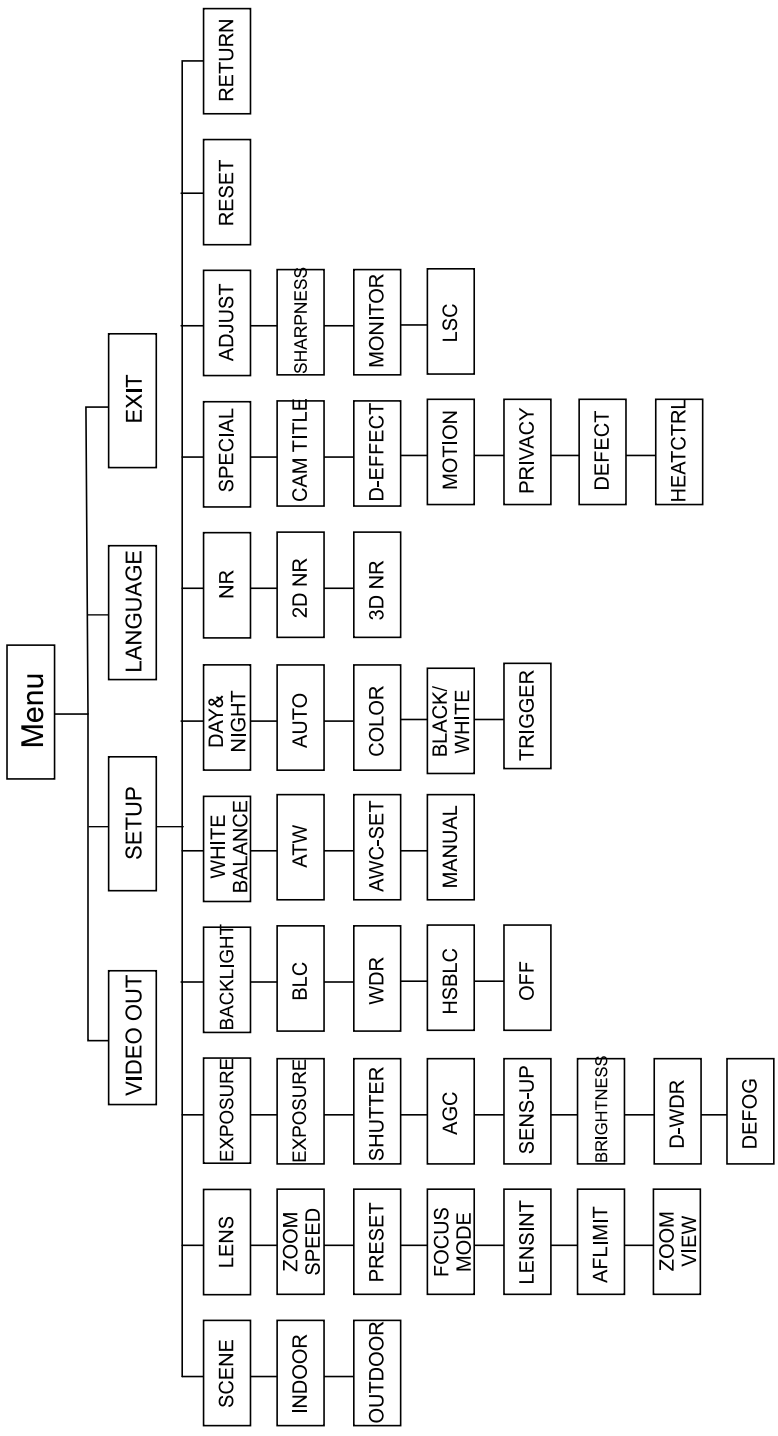


Press the **OK** button of the TVS-C200 for a few seconds until you see the OSD menu display on the monitor. The OK button is also used for selecting an OSD item.

Use the directional buttons to move the cursor and adjust a value.

For more details, refer to the TVS-C200 user manual.

Menu tree


Menu
VIDEO OUT
SETUP
LANGUAGE
EXIT
SCENE
INDOOR
OUTDOOR
LENS
ZOOM SPEED
PRESET
FOCUS MODE
LENSINT
AFLIMIT
ZOOM VIEW
EXPOSURE
EXPOSURE
SHUTTER
AGC
SENS-UP
BRIGHTNESS
D-WDR
DEFOG
BACKLIGHT
BLC
WDR
HSBLC
OFF
WHITE BALANCE
ATW
AWC-SET
MANUAL
DAY& NIGHT
AUTO
COLOR
BLACK/ WHITE
TRIGGER
NR
2D NR
3D NR
SPECIAL
CAM TITLE
D-EFFECT
MOTION
PRIVACY
DEFECT
HEATCTRL
ADJUST
SHARPNESS
MONITOR
LSC
RESET
RETURN

Specifications

Power supply	12 VDC / 24 VAC
Current	12 VDC: 1.67 A max. 24VAC: 83 mA max.
Power consumption	20 W max.
Temperature	24 VAC: -40 to +60 °C (-40 to +140 °F) with heater on 12 VDC: -30 to +60 °C (-22 to +40 °F)
Weight (net)	1.59 kg / 3.5 lb. (without back box) 1.805 kg / 3.98 lb. (with back box)
Dimensions	108.3 × 114.1 × 317.5 mm / 4.26 × 4.5 × 12.5 in. (without back box) 108.3 × 114.1 × 353.5 mm / 4.26 × 4.5 × 13.92 in. (with back box)

Legal

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Manufacturer:

Interlogix

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:

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.

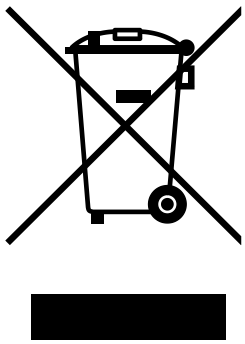
Canada

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.



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