TruVision® Wi-Fi IP Camera Installation Guide

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Product overview

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

- TVQ-8101 (1080p IP Wi-Fi Desktop IR camera)
- TVB-8101 (1080p IP Wi-Fi Bullet IR camera)

Installation environment

When installing the product, consider these factors:

- **Electrical**: Electrical wiring should be installed carefully by qualified service personnel. Always use a proper Power over Ethernet (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. The operating temperature of the camera is between -20 to +60°C (-4 to 140°F). Humidity is below 90%.
- **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 invalidates 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.
- **Reflectivity**: Ensure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.

Cable requirements

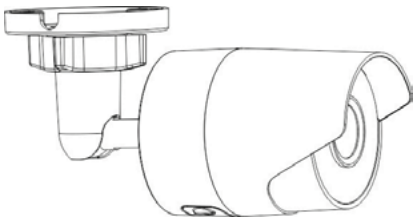
For proper operation, adhere to the following cable and power requirements for the cameras. Category 5 cabling or better is recommended. All network cabling must be installed according to applicable codes and regulations.

Package contents

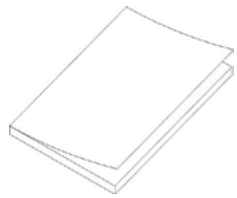
Check the package and contents for visible damage. If any components are damaged or missing, do not attempt to use the unit; contact the supplier immediately. If the unit is returned, it must be shipped back in its original packaging.

TruVision Wi-Fi IP Bullet Camera

IP Bullet Camera

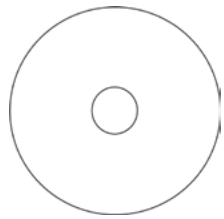


Installation Guide

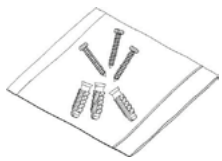


WEEE and Battery Installation

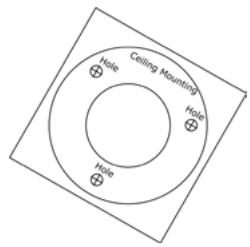
Configuration CD



Anchors and Screws

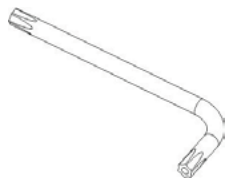


Mounting Template



Waterproof Jacket (Ethernet)

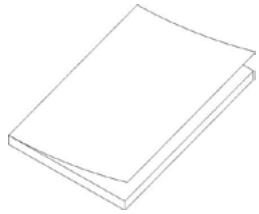
Hex Wrench



TruVision Wi-Fi IP Desktop Camera

IP Desktop Camera

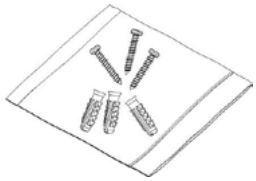
Installation Guide



WEEE and Battery Installation

Configuration CD

Anchors and Screws

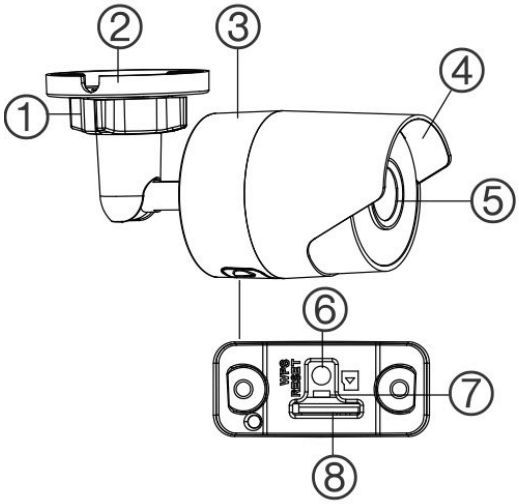


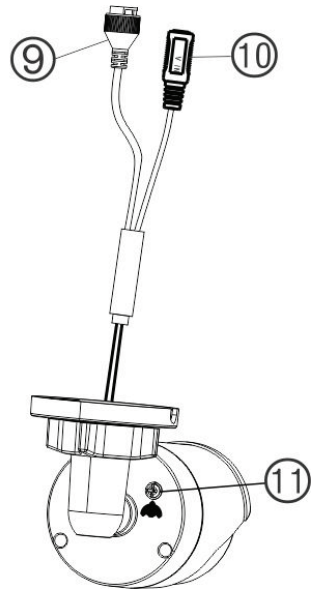
Mounting Template

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.

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

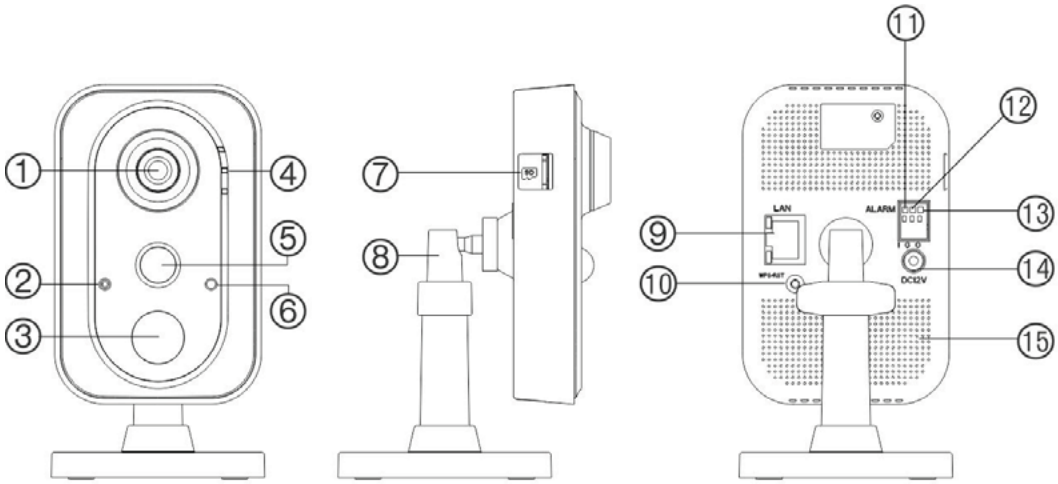
Camera description – Bullet Camera





1. Adjustment nut
2. Mounting base
3. Main body
4. Sun shield
5. Lens
6. WPS/RESET button
7. LED indicator
8. Micro SD card slot
9. Ethernet interface
10. Power cable (12 VDC)
11. GND screw

Camera description – Desktop Camera



1. Lens
2. Microphone
3. IR (infrared) LED
4. LED indicators (see next page)
5. PIR (passive infrared) sensor
6. Light sensor
7. Micro SD card slot
8. Three-axis bracket
9. Ethernet interface
10. WPS/RESET button
11. I: Alarm input interface
12. G: Grounding
13. O: Alarm output interface
14. Power supply port (12 VDC)
15. Speaker

Desktop camera LED indicators

The following table describes the desktop camera LED behavior (see item 4 in “Camera description – Desktop Camera” on page 7).

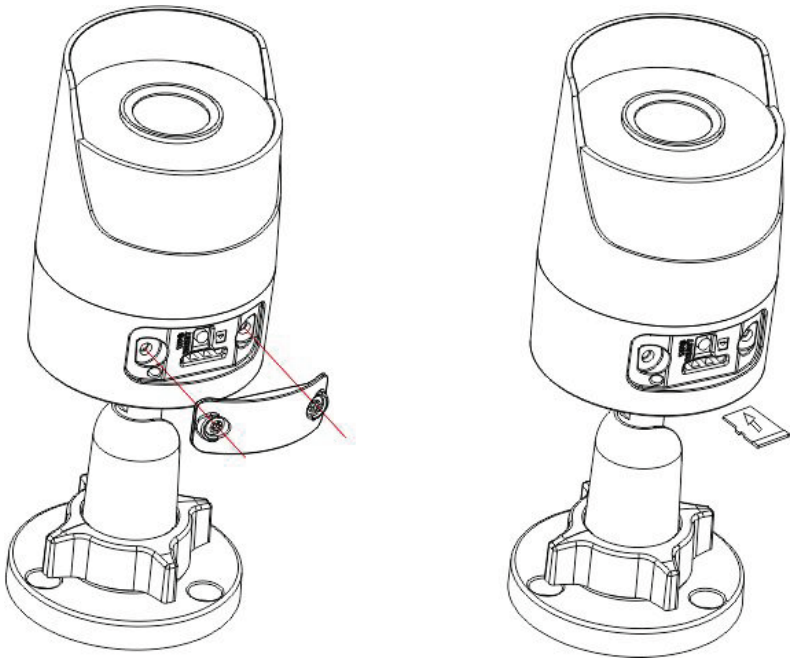
LED	State	Color	Appearance
Alarm	Camera alarm triggered	Red	Solid
	Camera alarm not triggered	Blue	Solid
Link	WPS in process	Blue	Fast blinking
	Temporary Wi-Fi connection is enabled	Blue	Slow blinking
	Ethernet communication	Amber	Blinking

Installing a Micro SD card

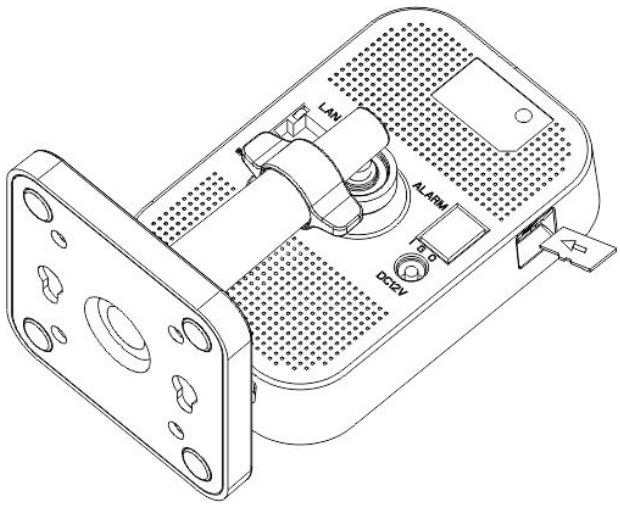
Micro SD cards with up to 128 GB of storage capacity can be installed in the cameras.

Bullet Camera

To access the Micro SD card slot, remove the cover on the bottom of the camera.



Desktop Camera



Mounting

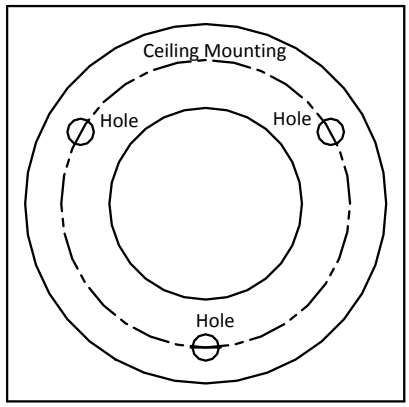
Before mounting a camera:

- Ensure that all the related equipment is powered off during the physical installation/camera mounting.
- Ensure that the wall or ceiling is strong enough to withstand four times the weight of the camera assembly.

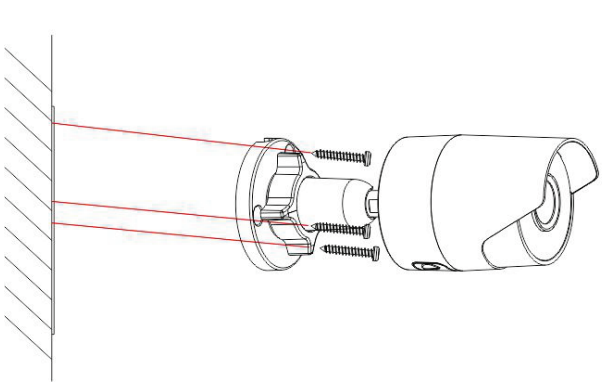
Bullet Camera

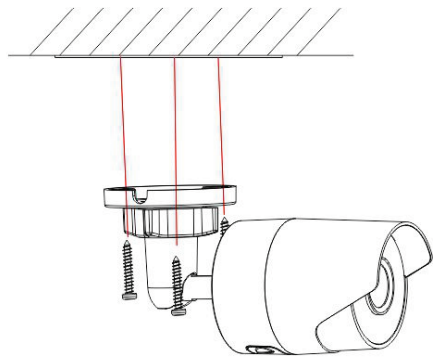
To mount the bullet camera on a wall or ceiling:

1. Drill the holes for the mounting hardware in the mounting surface using the supplied drill template. To route the cables from the base of the camera, drill a cable access hole in the mounting surface.



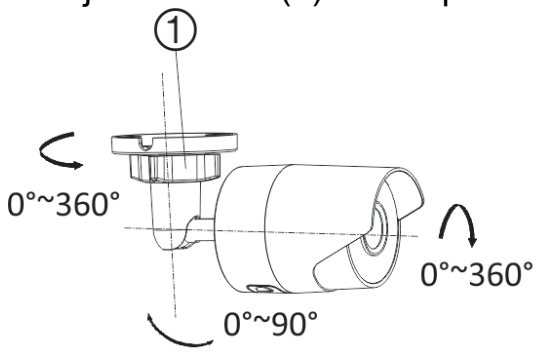
2. Route network cables to the mounting location as needed.
3. Secure the camera to the wall or ceiling with the supplied screws.





4. Connect the power cable and video output cable as needed.
5. Adjust the lens by doing the following:
   a. Loosen the adjustable nut.

b. Adjust the pan direction [0°~360°].
c. Adjust the tilt direction [0°~90°].
d. Rotate the camera [0~360°] to adjust the lens to the surveillance angle.
e. Tighten the adjustable nut (1) to complete the installation.

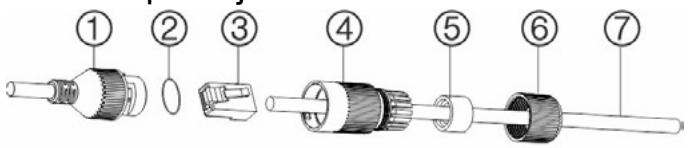


Waterproof jacket assembly

We recommended using the waterproof jacket to protect network cabling when the camera is installed outdoors.

To assemble the waterproof jacket:

1. Remove the connector (3) from the end of the network cable (7).
2. Route the network cable through the waterproof jacket components in the following sequence: fixed nut (6), waterproof ring (5), and the main body of the waterproof jacket (4).
3. Insert the waterproof ring into the main body of the waterproof jacket.
4. Reattach the plug to the end of the network cable.
5. Place the O-ring (2) in the network interface (1) of the camera, and then connect the network cable.
6. Connect the network interface to the waterproof jacket, and then rotate the fixed nut clockwise to connect it to the main body of the waterproof jacket.



1. Network interface
2. O-ring
3. Connector
4. Waterproof jacket
5. Waterproof ring
6. Fixed nut
7. Network cable

Desktop Camera

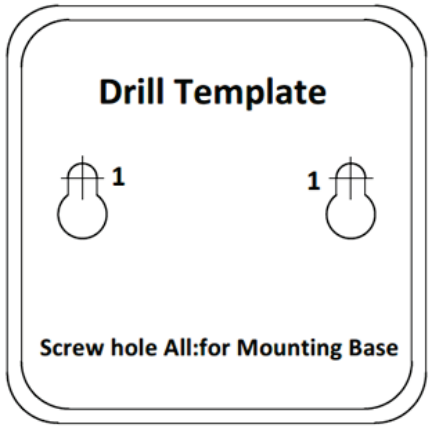
To mount the desktop camera on a magnetic surface:

Place the base of the camera on a magnetic surface to hold the camera in place.

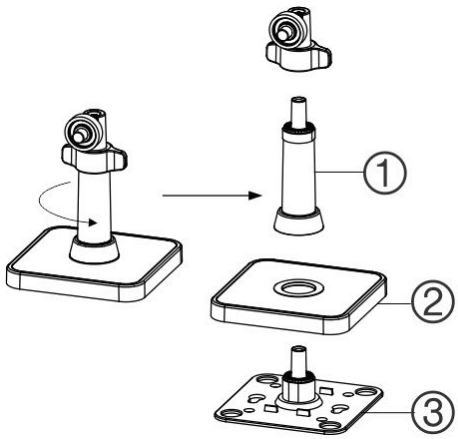
WARNING: Magnetic fields can erase data on a credit card and cause damage to cell phones and hard drives.

To mount the desktop camera on a wall or ceiling:

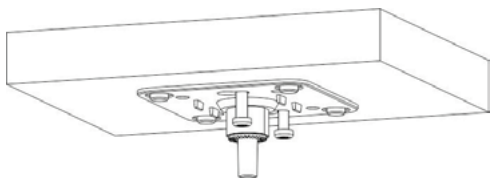
1. Drill the screw holes according to the drill template.



2. Disassemble the three-axis bracket. Hold the base (2) with one hand, and rotate the pole (1) counter-clockwise to disassemble the pole from the base.

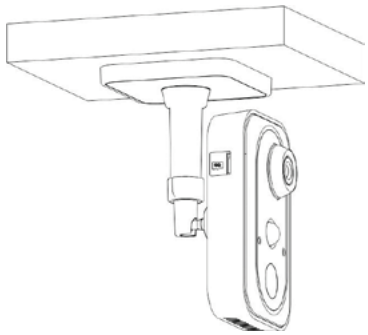


3. Mount the fixed tray (item 3 in step 2) to the ceiling or wall with the supplied screws.

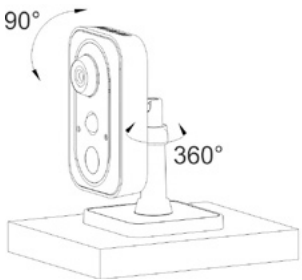


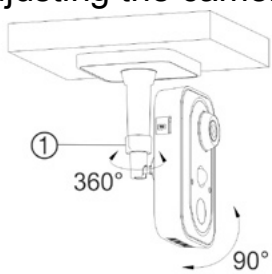
4. Install the base on the fixed tray.

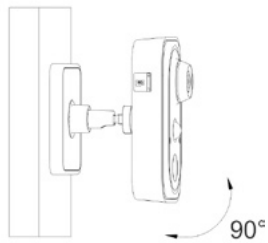
5. Install the camera on the bracket.



6. Adjust the camera angle by doing the following:
   a. Loosen the knob (1) to adjust the panning position and tilting position.
   b. When finished adjusting the camera angle, fasten the knob.







Browser requirements

The following browsers are supported for camera setup:

- Internet Explorer 8 or later
- Safari 5 or later

Quick setup

Note: If the light source where the camera is installed experiences rapid, wide variations in lighting, the camera may not operate as intended.

To quickly put the camera into operation:

1. Mount the camera. (See “Mounting” on page 10)
2. Connect the camera to a local network via Wi-Fi. (See “Add cameras to a Wi-Fi network” on page 15)
3. Reboot the camera.

1. Setting up Ethernet/Wi-Fi transmission

Wi-Fi transmission distance

The Wi-Fi transmission distance/range of the camera is approximately 50 m (164 ft.) in open air applications.

Note: The transmission distance may vary due to the presence of physical obstacles such as trees, walls, elevators, fire doors, furniture, etc. Avoid very solid walls and metallic objects in the transmission path.

Other Wi-Fi networks (for example Wi-Fi, WiMAX) operating on 2.4 GHz and certain types of devices (such as microwave ovens or point-to-point Wi-Fi transmissions) can cause interference with the network and a reduction in transmission distance/range.

Wi-Fi signal strength

Wi-Fi signal strength can be checked in the Wireless List in the camera’s browser interface (see “Add cameras to a Wi-Fi network” on page 15). Use the scale below to determine if actions are needed to improve performance.

Below 65 Poor	65-75 Good	75-85 Very Good	85+ Excellent

85+ – Excellent:

No additional actions needed and default video resolutions settings may be increased if required.

75-85 – Very Good:

No additional actions are required to increase signal strength. It is not recommended to increase video resolution settings.

65-75 – Good:

We recommend using a Wi-Fi repeater or powerline adapter to increase signal strength. Alternatively, video resolutions settings may be reduced to minimize poor video quality.

Below 65 – Poor:

We do not recommend using a camera with a signal strength below 65. Video streams are not likely to work below this level. A Wi-Fi repeater or powerline adapter should be used to increase signal strength.

2. Add cameras to a Wi-Fi network

RECOMMENDED METHOD (use a temporary Wi-Fi connection for setup)

Note: We highly recommended using a dedicated router for all TruVision installations that include cameras for the following reasons:

- To avoid service calls from homeowners as a result of changing their Wi-Fi password.
- To maintain privacy of the homeowner's Wi-Fi network password.
- To reduce the risk of local communication issues between the router and cameras.

Note: While the steps below are followed, the camera cannot be accessed by users other than the user performing the setup.

1. Apply power to the camera.

   Note: It may take up to two minutes for the camera to boot up.
2. Note the model and serial numbers on the camera.
3. Find the camera in the list of wireless networks available to the device being used for setup and initiate connection.
4. Enter the camera's serial number as the security key/password.
5. Log in to the browser interface (see "Browser requirements" on page 13) using the default settings:

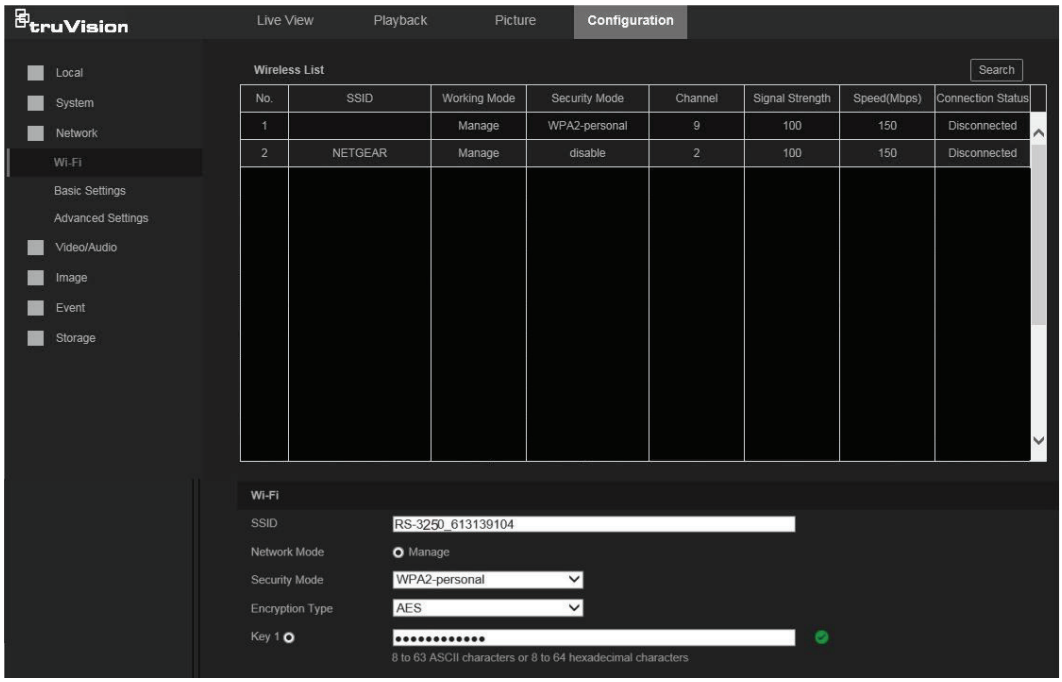
- Camera's default IP address: 192.168.2.70
- **User Name**: admin
- **Password**: 1234

Note: A pop-up may appear asking for an immediate password change. We strongly recommend changing the password. Select **OK** in this dialog and any subsequent dialogs that may appear.

6. Click or tap the **Configuration** tab.

Note: A pop-up may appear prompting for plug-in installation. Follow the installation prompts to install the plug-in.

7. Select **Network** and then select **Wi-Fi** on the left menu.
8. Click or tap **Search**.
9. Click or tap on the Wi-Fi network to be used for the camera in the **Wireless List**.
10. Type the Wi-Fi network passphrase in the **Key 1** field.



11. Scroll down and click or tap the **Save** button on the bottom of the screen.

Note: Do not select **Connect** in the WPS Section.

12. Repeat steps 9-11 above to add any additional cameras.
13. Connect the setup device to the wireless network selected in step 9.

Network connection via Wi-Fi is now complete!

3. Reboot cameras

1. Launch the TruVision® IP camera configuration browser.

2. Select **System** and then select **Maintenance** on the left menu.
3. Select **Reboot**.
4. Select **OK** when asked to reboot the unit.

   Note: Reboot may take up to two minutes.
5. Go to the **Live View** tab in the TruVision configuration browser to verify live video.

Camera installation is now complete!

Alternative methods of adding cameras

Add cameras via Ethernet with a Windows PC

1. Apply power to the camera.

   Note: It may take up to two minutes for the camera to boot up.
2. Connect the camera to a router with an Ethernet cable.
3. Launch TruVision Device Manager.

   Note: Install TruVision Device Manager using the included CD or download it from www.interlogix.com/video.
4. Verify that the camera is found in the main camera selection window.
5. Select the camera to be configured.
6. In the **Password** field, type the default password (1234) and click **Save**.
7. In the main camera selection window, select the camera to be configured and double-click the IPV4 Address to launch TruVision IP Camera Configurator in a browser.

   Note: The Camera Configurator can also be launched by typing the camera's IP address into an internet browser. The default camera IP address is 192.168.1.70 in a network without a DHCP server.
8. The TruVision Configurator appears. Enter the credentials below:
   - **User Name**: admin
   - **Password**: 1234
9. Tap **Network** and then tap **Basic Settings** on the left menu.
10. Change LAN settings to the required configuration. If a static IP Address is required, change the **IPv4 Address** and **IPv4 Subnet Mask** to match the router.
    a. Change the static IP address to something different than the default 192.168.1.70 if more than one camera is used on the network.

b. Click the **Test** button to ensure that the IP address is not already assigned to another device in the network.

11. Click **Save** on the bottom of the screen.
12. Power cycle the camera. See “3. Reboot cameras” on page 16.

Add cameras via WPS

A WPS-enabled wireless router is required to add a camera using the WPS function.

1. Press the WPS button on the router.
2. Within 120 seconds of pressing the WPS button on the router, press the WPS button on the camera for approximately two seconds. See “Camera description – Bullet Camera” on page 6 and “Camera description – Desktop Camera” on page 7 for WPS button and LED locations.

   The link LED on the camera flashes rapidly to indicate that it has joined the wireless network.
3. Power cycle the camera. See “3. Reboot cameras” on page 16.

Change default camera settings

Default camera settings can be modified using the camera's browser configuration interface.

To determine the IP address of the camera to be configured:

- Launch the TruVision Device Manager and locate the camera in the list by device type and/or serial number. The IP address is listed next to device type.

To access the camera's browser configuration interface:

- Type the IP address into a browser (see "Browser requirements" on page 13), and then enter the login credentials.
- In TruVision Device Manager, double-click the IPV4 Address of the camera in the Device finder tab, and then enter the login credentials.

TruVision Device Manager

In addition to finding device IP addresses, camera IP settings can be changed in Device Manager without launching the browser configuration interface.

TruVision Navigator

TruVision cameras are compatible with TruVision Navigator video management system software, which delivers powerful centralized and remote video management capabilities.

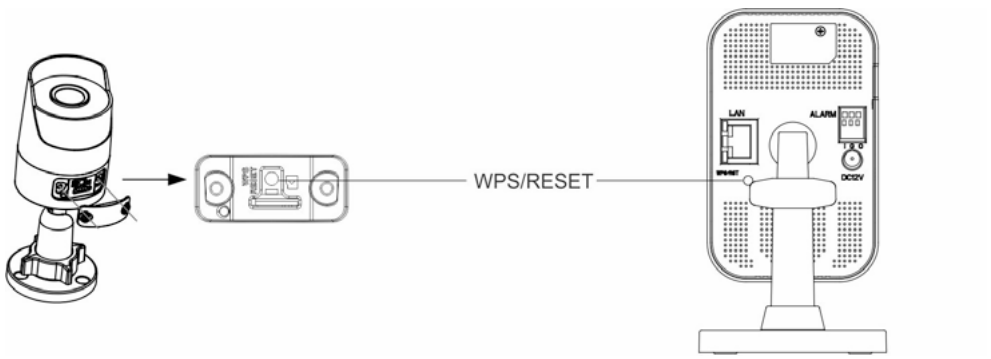
Note: Go to www.interlogix.com/video to download TruVision Device Manager and TruVision Navigator. See the *TruVision Device Manager User Manual* and the *TruVision Navigator User Manual* for further information and capabilities.

Reset cameras to factory default

If required, a camera can be reset to the factory default settings.

Reset button

1. Remove the camera cover, press and hold the WPS/RESET button, and then remove power from the camera.
2. Apply power to the camera and continue holding the WPS/RESET button for 20 seconds.



Camera configurator

1. Launch the camera configuration browser interface.
2. Select **System** and then select **Maintenance** on the left menu.
3. Click **Restore** or **Default** to restore the default settings.

Note: After restoring the default settings, the IP address is also restored to the default IP address.

Troubleshooting

Troubleshooting/FAQ	
1.	The camera does not appear in the list of Wi-Fi networks.

Cause	Solution
The camera takes up to 90 seconds to boot up.	*Wait until the camera boots up before checking the Wi-Fi list.*
An Ethernet cable is connected to the camera.	*Disconnect the Ethernet cable from the camera.*
Another user is currently setting up the camera using the recommended method or the camera has previously been set up using the recommended method.	*Perform a factory reset to rebroadcast the camera.*

2.	Live Video quality is poor. It is choppy, shows gray, etc.

Cause	Solution
Ensure that the camera's Wi-Fi and/or Ethernet connection speeds are adequate (500 Kbps minimum).	*If Wi-Fi connection speeds are poor, we recommend using a Wi-Fi repeater to increase signal strength.*
The camera's default settings are set up to work on a strong home network.	*In some cases, low video settings may be required to achieve smooth video. Use the TruVision browser to change the camera's video settings.*

Specifications

TruVision Wi-Fi IP Bullet Camera

Electrical	
Voltage input	12 VDC, PoE (IEEE 802.3af)
Power consumption	Max. 5.8 W
Wi-Fi parameters	
Wi-Fi standard	IEEE802.11b/g/n
Frequency range	2.4 to 2.4835 GHz
Communication bandwidth	Support 20/40 MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmission rate	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Transmission range	Up to 50 m Varies depending on the actual working environment.
General	
Dimensions	70×157×62 mm (2.8×6.1×2.4 in.)
Weight	500 g (1.1 lb.)

TruVision Wi-Fi IP Desktop Camera

Electrical	
Voltage input	12 VDC, PoE (IEEE 802.3af)
Power consumption	Max. 4.5 W
Wi-Fi parameters	
Wi-Fi standard	IEEE802.11b/g/n
Frequency range	2.4 to 2.4835 GHz
Communication bandwidth	Support 20/40 MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmission rate	11b: 11 Mbps, 11g: 54 Mbps, 11n: 150 Mbps
Transmission range	Up to 50 m Varies depending on the actual working environment.
General	
Dimensions	70×72.3×133.3 mm (2.8×2.8×5.2 in.)
Weight	400 g (0.88 lb.)

Trademarks and patents The TruVision name and logo is a trademark of United Technologies.

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

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 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 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.

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled

environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

CAUTION: Changes or modifications not expressly approved by UTC for compliance could void the user's authority to operate the equipment.

RS-3230/RS-3231/TVQ-8101 COMPLIES WITH FCC PART C, FCC ID: 2AENJ-RS323X

RS-3250/RS-3251/TVB-8101 COMPLIES WITH FCC PART C, FCC ID: 2AENJ-RS325X

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 B digital apparatus complies with **CAN ICES-003 (B)/NMB-3 (B)**.

Cet appareil numérique de la classe B est conforme à la norme CAN ICES-003

(B)/NMB-3 (B).

Canadian Compliance

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Cet appareil numérique de la classe B respects toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Canada - Industry Canada (IC)

The wireless radio of this device complies with RSS 247 and RSS 102 of Industry Canada.

This Class B digital device complies with Canadian ICES-003 (NMB-003).

Cet appareil numérique de la classe B respects toutes les exigences du Règlement sur le matériel brouilleur du Canada.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée

aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RS-3230/RS-3231/TVQ-8101 complies with IC requirements, IC: 20201-RS323X.

RS-3250/RS-3251/TVB-8101 complies with IC requirements, IC: 20201-RS325X.

This radio transmitter (IC: 20201-RS3130) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

- Internal (Default): 2.4dBi directional antenna
- *Le présent émetteur radio (IC: 20201-RS31130) a été approuvé par Industrie Canada pour*

fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

- intégré 2.4dBi antenne

European Union directives

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the **EMC Directive 2014/30/EU**, the **RoHS Directive 2011/65/EU** and **Directive:2014/35/EU (LVD)**.

R&TTE Compliance Statement

This equipment complies with all the requirements of **DIRECTIVE 1999/5/CE** OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity (R&TTE).

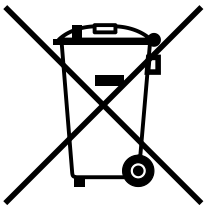
Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All

guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

Installation must at all times conform to local regulations.

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.



2013/56/EU (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

Contact information

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

Annex 3 B and A Wideband Data Transmission systems 2400.0-2483.5 MHz:		
Country	**Restriction**	**Reasons/remarks**
Norway	Implemented	This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund.
Italy	Implemented	The public use is subject to general authorization by the respective service provider.
Russian Federation	Limited implementation	**1. SRD with FHSS modulation** 1.1. Maximum 2.5 mW e.i.r.p. 1.2. Maximum 100 mW e.i.r.p. Permitted for use SRD for outdoor applications without restriction on installation height only for purposes of gathering telemetry information for automated monitoring and resources accounting systems. Permitted to use SRD for other purposes for outdoor applications only when the installation height is not exceeding 10 m above the ground surface. 1.3 maximum 100 mW e.i.r.p. indoor applications. **2. SRD with DSSS and other than FHSS wideband modulation** 2.1. Maximum mean e.i.r.p. density is 2 mW/MHz. Maximum 100 mW e.i.r.p. 2.2. Maximum mean e.i.r.p. density is 20 mW/MHz. Maximum 100 mW e.i.r.p. It is permitted to use SRD for outdoor applications only for purposes of gathering telemetry information for automated monitoring and resources accounting systems or security systems. 2.3. Maximum mean e.i.r.p. density is 10 mW/MHz. Maximum 100 mW e.i.r.p. indoor applications.
Ukraine	Limited implementation	e.i.r.p. ≤100 mW with built-in antenna with amplification factor up to 6 dBi.

PRODUCT WARNINGS

A PROPERLY INSTALLED AND MAINTAINED ALARM/SECURITY SYSTEM MAY ONLY REDUCE THE RISK OF EVENTS SUCH AS BREAK-INS, BURGLARY, ROBBERY OR FIRE; IT IS NOT INSURANCE OR A GUARANTEE THAT SUCH EVENTS WILL NOT OCCUR, THAT ADEQUATE WARNING OR PROTECTION WILL BE PROVIDED, OR THAT THERE WILL BE NO DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE AS A RESULT.

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