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InVid Tech 0235TN3S Mini PTZ Network Fixed Dome Camera User Guide

**0235TN3S Mini PTZ Network Fixed Dome Camera
User Guide**

Contents

Waterproof Requirements

Please waterproof cables in accordance with the following instructions. User shall assume all responsibility for device damage caused by water due to improper waterproof measures.

 NOTE!

- Before you start, connect all the needed cables and cut off the copper wires for the cables that you don't use.
- Please use self-adhesive waterproof tape (supplied with some products) to protect the cables.
- Use waterproof components to protect the network cable. Waterproof the power cable separately if you don't use it. The video cable does not need waterproof treatment.

1. Use insulation tape (not included in the package) to insulate the connection part of each cable.


Connection part

Insulation tape
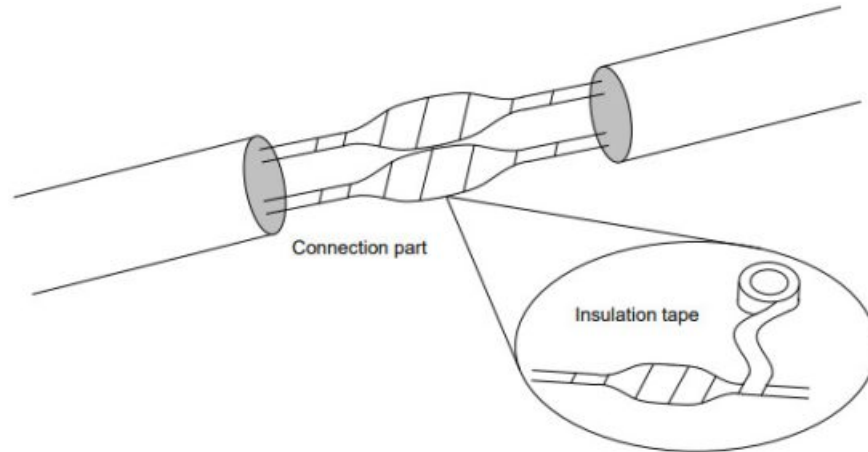
2. Waterproof the cables with self-adhesive waterproof tape.
   (1) Fully stretch the waterproof tape at both ends.
   (2) Wrap the connection part and the cable ends tightly with a waterproof tap to make sure the tape is fully stretched during the process.
   (3) Tighten the tape at both ends to prevent water leakage.

Tighten   Tighten   Tighten

Waterproof tape

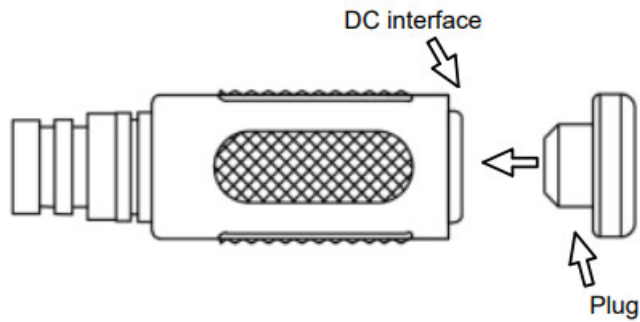Wrap the unused cables together into a bundle
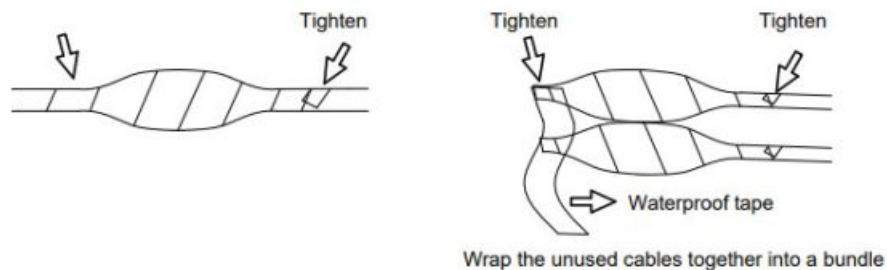
3. Install the supplied waterproof components to the network cable in sequence.
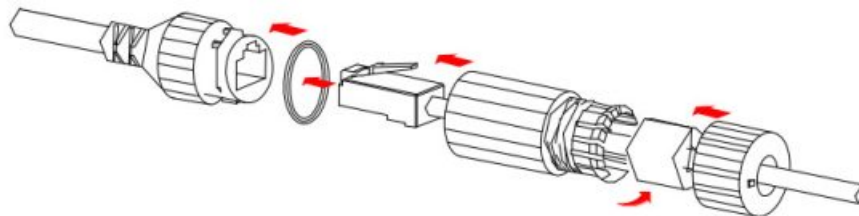
 CAUTION!

You need to mount the rubber ring onto the network cable interface first.

4. If your camera has a DC cable and you will not use it, insert the plug into the interface.

DC interface

Plug

5. (Optional) After the waterproof treatment is completed, put the cables into a waterproof junction box (purchased separately).

 CAUTION!

- The cable connector must not be exposed and must be kept away from water.
- Restore and fasten the device after dismounting.
- Place the power adapter in a power distribution box.

Packing List

Contact your local dealer if the package is damaged or incomplete. The attachments may vary with models, please see the actual model for details.

Item	Quantity
Camera	1
User document	1
Accessory pack	1

Safety and Compliance Information

Installation

- Make sure the camera operates in an environment where the temperature and humidity meet requirements. Keep the camera from excessive pressure, vibration, moisture, dust, and intensive electromagnetic radiation.
- Use a power adapter or a PoE device that meets the requirements. Otherwise, the device may be damaged.
- Make sure the length of the power cable between the power adapter and the camera is not too long, otherwise the voltage of the camera is lowered, causing the camera to work abnormally. If it is required to lengthen the power cable, lengthen the cable between the power adapter and the mains.
- Do not hold the tail cable by hand for weight-bearing. Otherwise, the cable connector of the camera could be loosened.
- When connecting to an external interface, use an existing connection terminal, and ensure that the cable terminal (latch or clamp) is in good condition and properly fastened. Ensure that the cable is not tense during mounting, with a proper margin reserved to avoid poor port contact or loosening caused by shock or shake.
- During the process of transportation, special attention is required for the protection of the glass window to

prevent friction, scratch, contamination, etc. In order to keep the cover clean, do not remove the protective film on the cover during mounting. After mounting is finished, remove the film before the device is powered on.

- Contact professionals for maintenance information. Do not attempt to dismantle the device by yourself. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.

Maintenance

- Caution: There will be a risk of explosion if the battery is replaced by an incorrect type.
  Dispose of used batteries according to the instructions.
- If there is dust on the glass window surface, remove the dust gently using an oil-free brush or a rubber dust-blowing ball.
- If there is grease or a dust stain on the glass window surface, clean the glass window surface gently from the center outward using a lens cleaning cloth. If the grease or the stain still cannot be removed, use lens cleaning cloth dipped with detergent and clean the glass window surface gently until it is removed.
- Do not use organic solvents, such as benzene or ethanol when cleaning the transparent dome cover.
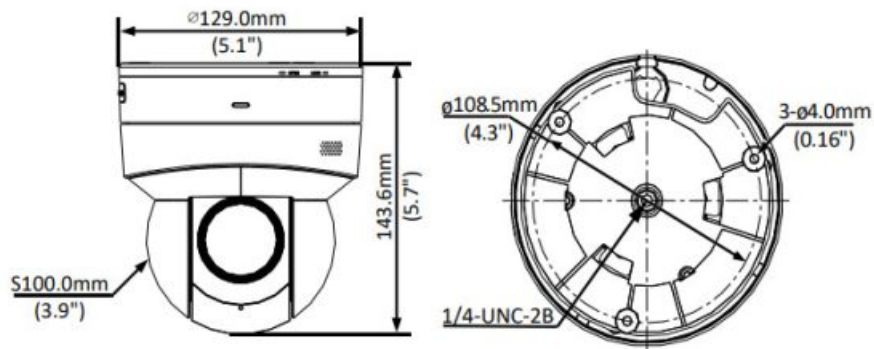- Make sure the lens cleaning cloth is clean itself.

- Never look at the transmit laser while the power is on. Never look directly at the fiber ports and the fiber cable ends when they are powered on.
- Use of controls or adjustments to the performance of procedures other than those specified herein may result in hazardous laser emissions.
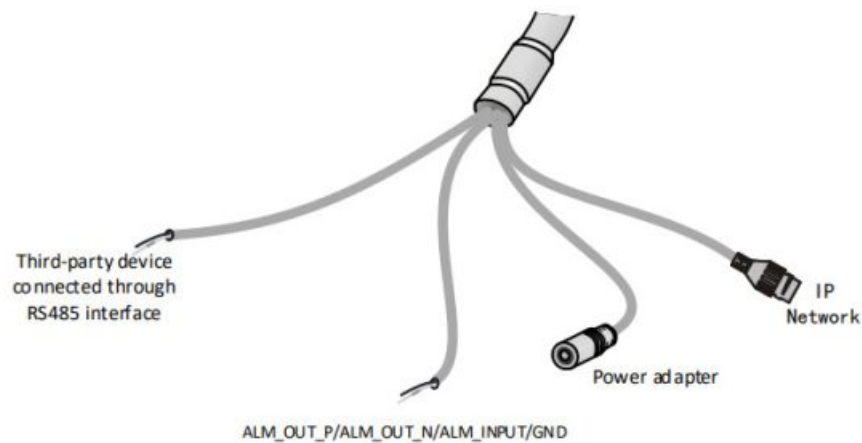
Appearance

1. **Dimensions**

   The figures in the manual are for your reference only. The actual appearance may vary with the product model.

2. **Cable Connection**

   The appearance and tail cable may vary with the device model.

Third-party device
connected through
RS485 interface

IP
Network

Power adapter

ALM_OUT_P/ALM_OUT_N/ALM_INPUT/GND

 NOTE!

For specifications, see the latest product datasheet

Mount Your Camera

(Optional) Insert Micro SD Card

To use the local storage function, you need to install a Micro SD card into the camera. The SD card is installed inside the camera. To install the SD card, you need to remove the back cover of the camera first. Do not hot-plug the Micro SD card after it is inserted. Otherwise, the camera or the SD card might be damaged. Contact your dealer for the recommended specifications of the Micro SD card.

Open the slot cover

Insert the SD card along
the arrow direction
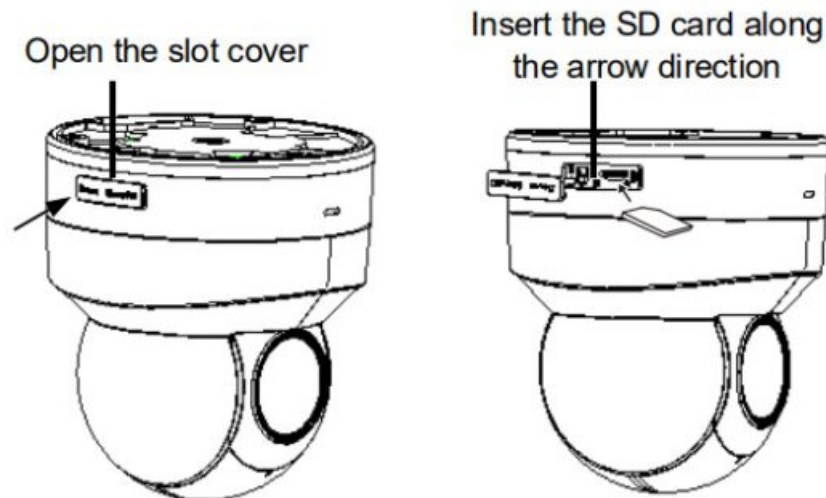
Ceiling Mount

You may adopt a ceiling mount or wall mount as needed. Prepare hardware accessories by yourself. The following part takes the ceiling mount as an example. The wall mount is similar to the ceiling mount and therefore is omitted here. Make sure that the wall is capable of supporting the weight of the camera.

1. Uninstall the adapter plate.

   Hold the camera, rotate the adapter plate counterclockwise to detach it from the camera.

Rotate counterclockwise

OPEN　　　LOCK　　　　　Adapter plate
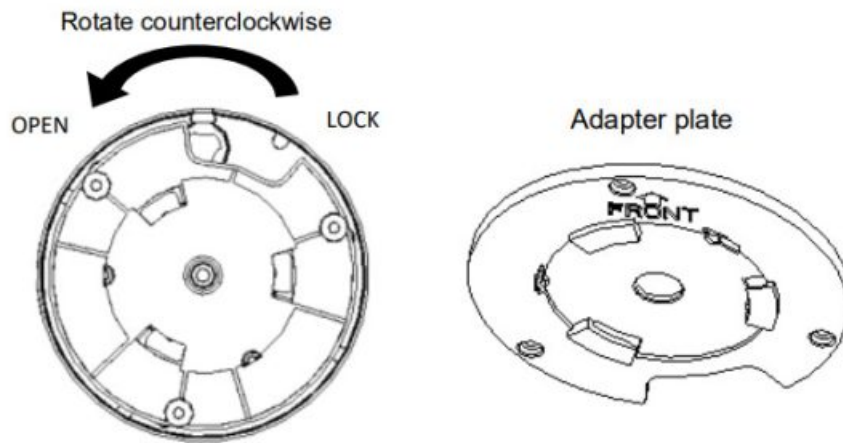
FRONT

2. Attach the sticker.

   Attach the sticker to the desired mounting place.
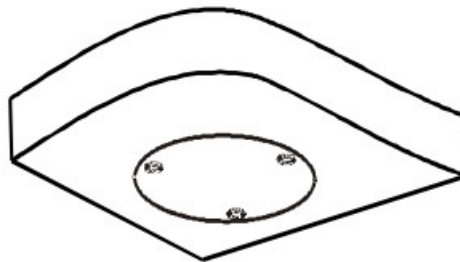
3. Fix the adapter plate to the ceiling.

   Knock expansion bolts into holes, and fix the plate to the ceiling with screws. Make sure that the FRONT on the plate is in the monitoring direction.
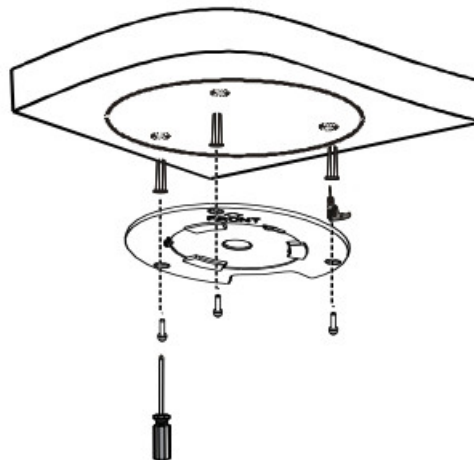
4. Install the camera.

   Secure the camera to the adapter, align FRONT on the plate with the gap between OPEN and LOCK on the camera, rotate the camera counterclockwise until it's fastened.

NOTE!

- Lead the cable through the side slot opening on the camera to secure the cable, so that you may avoid opening a hole on the ceiling.
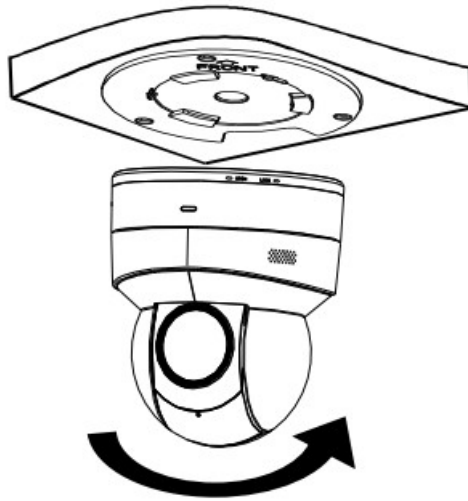- Disconnect from power before intalling or uninstalling Micro SD card. Otherwise, the device or the Micro SD card might be damaged.

For recommended SD card specifications, contact your dealer or technical support.

Startup

Check that the device is properly installed, then connect power to start up the device.

Web Login

Log in to the Web interface to manage and maintain the device.

1. Open your browser, input the camera's IP address 192.168.1.13 in the address bar and then press Enter to open the login page.
2. Enter the username and password (admin/123456 by default) and then click Login.

 NOTE!

- DHCP is enabled by default. If a DHCP server is deployed in the network, the IP address of your camera may be assigned dynamically, and you need to use the assigned IP address to log in.
- If prompted, install the plug-in at your first login. Please follow the on-screen instructions to complete the installation and then open the browser again to log in.
- The default password is intended only for your first login. To ensure security, please change the password after your first login. You are strongly recommended to set a strong password of at least nine characters including all three elements: digits, letters and special characters.
- If the password has been changed, please use the new password to log in.

Disclaimer and Safety Warnings

Trademark Acknowledgements
All other trademarks, products, services, and companies in this manual or the product described in this manual are the property of their respective owners.

Export Compliance Statement
The company complies with applicable export control laws and regulations worldwide, including that of the People's Republic of China and the United States, and abides by relevant regulations relating to the export, re-export, and transfer of hardware, software, and technology. Regarding the product described in this manual, the company asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

Privacy Protection Reminder
The company complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy on our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual may involve the collection of personal information such as the face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

About This Manual

- This manual is intended for multiple product models, and the photos, illustrations, descriptions, etc, in this manual may be different from the actual appearances, functions, features, etc, of the product.

- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.

- Despite our best efforts, technical or typographical errors may exist in this manual. The company cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.

- Users are fully responsible for the damages and losses that arise due to improper operation.

- The company reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrades or regulatory requirements of relevant regions, this manual will be periodically updated.

    Disclaimer of Liability

- To the extent allowed by applicable law, in no event will Company be liable for any special, incidental, indirect, consequential damages, nor for any loss of profits, data, and documents.

- The product described in this manual is provided on an "as is" basis. Unless required by applicable law, this manual is only for informational purposes, and all statements, information, and recommendations in this manual are presented without warranty of any kind, expressed or implied, including, but not limited to, merchantability, satisfaction with quality, fitness for a particular purpose, and non-infringement.

- Users must assume total responsibility and all risks for connecting the product to the Internet, including, but not limited to, network attack, hacking, and virus. The company strongly recommends that users take all necessary measures to enhance the protection of the network, device, data, and personal information. The company disclaims any liability related thereto but will readily provide necessary security-related support.

- To the extent not prohibited by applicable law, in no event will the company and its employees, licensors, subsidiary, affiliates be liable for results arising out of using or inability to use the product or service, including, not limited to, loss of profits and any other commercial damages or losses, loss of data, procurement of substitute goods or services; property damage, personal injury, business interruption, loss of business information, or any special, direct, indirect, incidental, consequential, pecuniary, coverage, exemplary, subsidiary losses, however, caused and on any theory of liability, whether in contract, strict liability or tort (including negligence or otherwise) in any way out of the use of the product, even if the company has been advised of the possibility of such damages (other than as may be required by applicable law in cases involving

personal injury, incidental or subsidiary damage).

- To the extent allowed by applicable law, in no event shall the company's total liability to you for all damages for the product described in this manual (other than as may be required by applicable law in cases involving personal injury) exceed the amount of money that you have paid for the product.

Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- Change the default password and set a strong password: You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters, and special characters.
- Keep firmware up to date: It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit the company's official website or contact your local dealer for the latest firmware.

    The following are recommendations for enhancing the network security of your device:

- Change the password regularly: Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- Enable HTTPS/SSL: Use an SSL certificate to encrypt HTTP communications and ensure data security.
- Enable IP address filtering: Allow access only from the specified IP addresses.
- Minimum port mapping: Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- Disable the automatic login and save password features: If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.
- Choose Username and password discretely: Avoid using the username and password of your social media, bank, email account, etc, as the username and password of your device, in case your social media, bank, and email account information is leaked.
- Restrict user permissions: If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- Disable UPnP: When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage.

    Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.

- SNMP: Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.
- Multicast: Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- Check logs: Check your device logs regularly to detect unauthorized access or abnormal operations.
- Physical protection: Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- Isolate video surveillance network: Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.

Learn More

You may also obtain security information under Security Response Center at the company's official website.

safety Warnings

The device must be installed, serviced, and maintained by a trained professional with the necessary safety

knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from the liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting the company first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Installation and use of the device must be in strict accordance with your local electrical safety regulations.
- Use a UL-certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Use Caution

- When the battery is used, avoid:
  - ➢ High or low extreme temperatures during use, storage, and transportation;
  - ➢ Extremely low air pressure, or low air pressure at high altitude;
  - ➢ Battery replacement.
- Use the battery properly. Improper use of the battery such as the following may cause risks of fire, explosion, or leakage of flammable liquid or gas.
  - ➢ Replace the battery with an incorrect type;
  - ➢ Dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery;
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.
- **Personal safety warnings:**
  - ➢ Chemical Burn Hazard. This product contains a coin cell battery. Do not ingest the battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  - ➢ Keep new and used batteries away from children.
  - ➢ If the battery compartment does not close securely, stop using the product and keep it away from children.

➢ If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Regulatory Compliance

FCC Statements

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Compliance Information Statement refers to:

http://en.uniview.com/Support/Download_Center/Product_Installation/Declaration/

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

LVD/EMC Directive

This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.
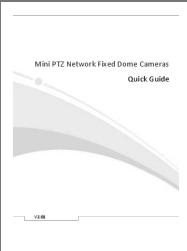
WEEE Directive–2012/19/EU

The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Directive-2013/56/EC

The battery in the product complies with the European Battery Directive 2013/56/EC. For proper recycling, return the battery to your supplier or to a designated collection point.

Documents / Resources

Mini PTZ Network Fixed Dome Cameras Quick Guide V2.09	**InVid Tech 0235TN3S Mini PTZ Network Fixed Dome Camera** [pdf] User Guide 0235TN3S, 2AY3X-0235TN3S, 2AY3X0235TN3S, 0235TN3S Mini PTZ Network Fixed Dome Camera, 0235TN3S, Mini PTZ Network Fixed Dome Camera

References

- **Suppliers Declaration of Conformity - Uniview - Leader of AIoT Solution**