Outdoor Network PTZ Dome Cameras
# Quick 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.
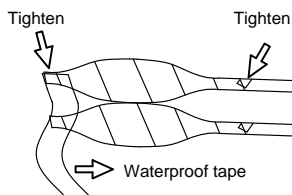
1. Use insulation tape (not included in the package) to insulate the connection part of each cable.

Connection part

Insulation tape
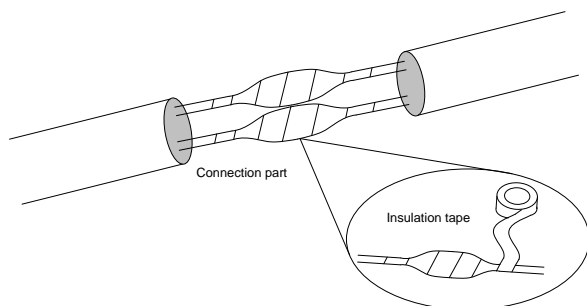
2. Waterproof the cables with self-adhesive waterproof tape.

   (1) Fully stretch the waterproof tape at both ends.

   (2) Wrap the connection part and the cable ends tightly with waterproof tape. Make sure the tape is fully stretched during the process.

   (3) Tighten the tape at both ends to prevent water leakage.

Tighten   Tighten   Tighten   Tighten

Waterproof tape

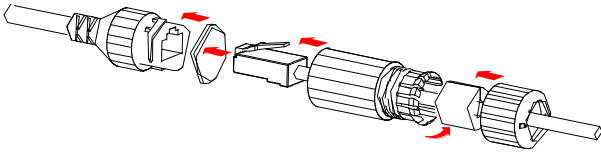Wrap the used cables separately   Wrap the unused cables together into a bundle

3. Install the supplied waterproof components to the network cable in sequence.
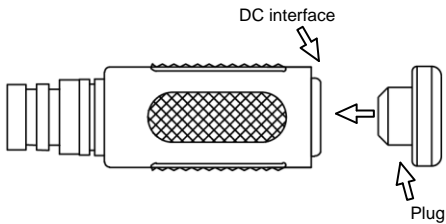
4. If your camera has a DC cable and you will not use it, insert the plug into the interface.

DC interface

Plug

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

1   Packing List

Contact your local dealer if the package is damaged or incomplete. The package contents may vary with device model.

Item	Name	Quantity	Unit
1	Chassis	1	Set
2	Power Adapter	1	Set
3	Documentation Set	1	Set
4*	Cable Unit	1	Set
5*	Cable Unit Sun Shield	1	Set
6*	ESD-Preventive Glove	1	Piece
7*	Bracket Adapter Ring	1	Piece
8*	Waterproof Kit	1	Piece

Remarks:

* means optional and supplied with certain models only.

(1) Including one or more waterproof components such as tape and plug.

(2) Including one or more items from screws, hex key, etc.

(3) Including one or more items from drill template, bracket adapter, antistatic gloves, etc.

2   Safety and Compliance information

2.1 Installation

- Use a power adapter or a PoE device that meets 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 transparent dome cover to prevent friction, scratch and 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.

2.2 Maintenance

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

2.3 Laser Safety (if applicable)

- Installation and maintenance must be carried out by trained and qualified personnel.
- The camera must be mounted at least 6 meters above the ground.
- To avoid the risk of fire, the laser illuminator must be clear of obstacles within a minimum range of 30 centimeters.
- Make sure laser is disconnected from power before examination.
- Never stare into beam or view through any optical instruments. Avoid exposure to direct or scattered radiation. Be especially cautious during installation and maintenance.
- Never view lasers without protective eyewear. Some lasers emit infrared or ultraviolet, which are invisible to human eyes.
- Keep flammable or explosive objects away from laser beam. Some lasers may ignite combustible materials and thus cause fire.
- Never direct laser at a person. Do not direct laser at glass. The reflection may still cause harm to human eyes.
- 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 or procedures other than those specified herein may result in hazardous laser emissions.

3 Introduction

3.1 Dimensions

The appearance may vary with device model. The following part shows an example.
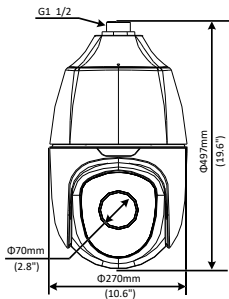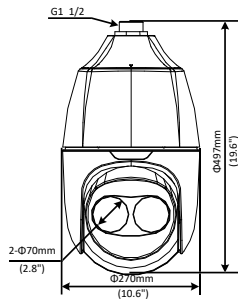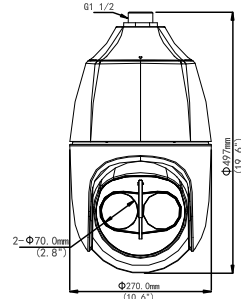
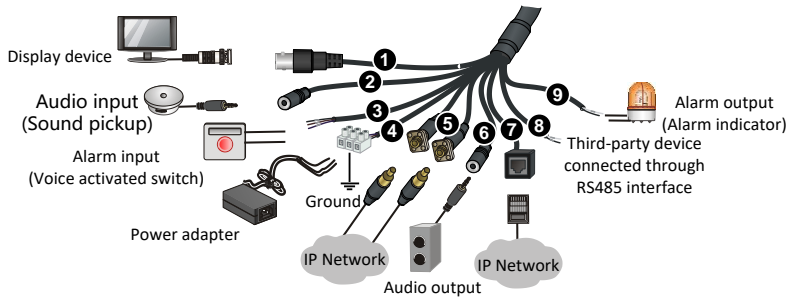Type A   Type B   Type C

📝 **NOTE!**

Please refer to the latest product datasheet for detailed specifications.

3.2 Cable Connection

All the cables are tagged to indicate their functions. You can connect cables by referring to the following figure. The appearance and tail cable may vary with device model.

Display device

Audio input
(Sound pickup)

Alarm input
(Voice activated switch)

Power adapter

Ground

IP Network

Audio output

IP Network

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾

Third-party device
connected through
RS485 interface

Alarm output
(Alarm indicator)

> **NOTE!**
>
> For the detailed information about the specifications, see the datasheet.

4 Mount Your Camera

The mounting steps for other dome camera models are similar. Here takes IR PTZ dome as an example. The figures in the manual are for your reference only. For the actual appearance, see the camera.

4.1 Check Before Mount

Before mounting your camera, check the device model, accessory types and quantities against the packing list to ensure components are complete.

Sun shield

Bracket adapter

Tail cable adapter

Tail cable

Safety rope

Camera
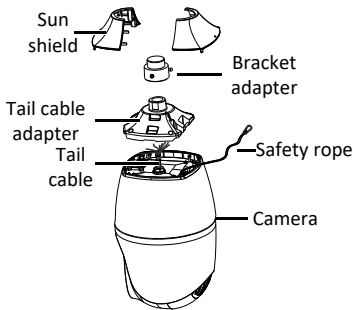
1.   Verify the bearing capacity of the mounted position

Verify that the mounted position meets the bearing requirements. Otherwise, you are advised to reinforce the mounted position for the device weight. For more information, see the product datasheet.

2.   Verify the lightning protection and grounding requirements

Select proper lightning protection devices for the power supply, audio and video signals interfaces, and RS485 interfaces.

4.2 Cable Requirements

Network cable

10M/100M Ethernet CAT 5/5E UTP cables are applicable to the ANSI/EIA/TIA-568A/B and ISO/D.

Eight wires in the network cable need to be inserted in parallel into the top of the cable connector. The cable connector needs to be crimped in position. When the cable connector is in position, ensure that the metal pieces of the cable connector are parallel to each other and the clamp of the cable connector is intact.

4.3 (Optional) Insert Micro SD Card

Please install the Micro SD card first, then format the Micro SD card in the software interface before use. Disconnect the camera from power before installation, otherwise the camera or the Micro SD card might be damaged.

📝 **NOTE!**

- For details about recommended SD card specifications, contact your dealer.
- The following figures are only for your reference. For actual Micro SD card slot position, see the delivered camera.

Insert Micro SD Card :Remove the rear cover by loosening the screws. Then insert the SD card and replace the cover. Make sure the waterproof ring is installed into position in the cover.

RST   Card slot

Micro SD card
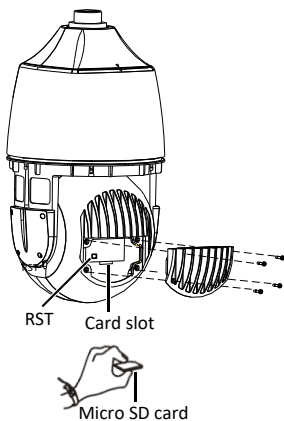
4.4 Wall Mount

NOTE!

- When mounting the camera, please install the bracket adapter to the bracket first and then mount the camera to the bracket.
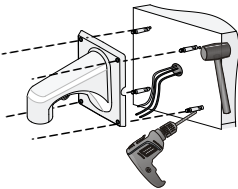
- Pay attention to the stainless screws that connect the tail cable unit and the camera. Verify that they are tightened so that the camera is entirely sealed. Ensure that the sun shield on the tail cable unit is mounted in position.

- Fasten the screws of various joints connecting to the dome camera, such as the bracket and the adapter ring, and ensure that no screws are missing.

- Take measures to waterproof and seal connections between dome and bracket, wall veneer slits and cable out holes on the wall.

- The following section describes concealed installation. To implement open installation, directly lead the cable out of the leading-out hole on the flank of the bracket.

1. Locate the positions of the holes, drill holes on the wall and then knock the expansion bolts, and verify that they are tightened up, Mark the positions of the holes by referring to the mount points of the bracket. Lead the cables to be connected out of wall holes. Select a drill bit matching the outer diameter of the expansion bolt. For the hole depth, refer to the bolt length.	2. Turn the bracket adapter (G1 ½ male thread) in and secure the racket adapter with a screw.
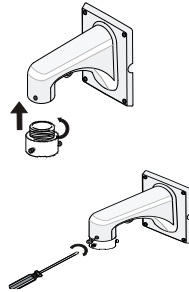
3. Align the top screws on the tail cable adapter to the inner track on the bracket adapter, push up and then turn the tail cable adapter till it is blocked by the bracket adapter screw.

- Bracket adapter screw
- Inner track
- Top screw
- Tail cable adapter
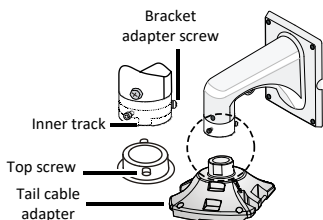
4. Fasten the bracket on the four expansion bolts by using flat washers, spring washers, and nuts.
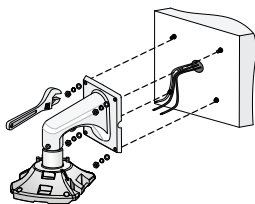
5. Hang the other end of the safety rope to the bracket and connect all the tail cables. Then hold the camera and secure the screws on the tail cable adapter.

- Hook
- Camera
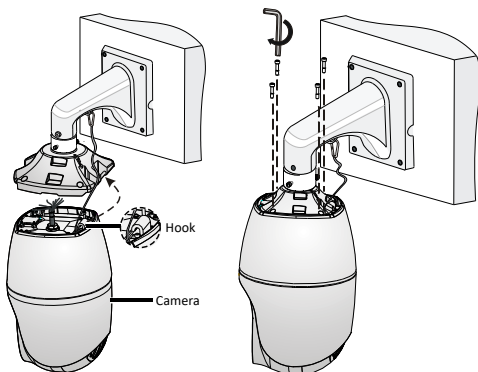
6. Mount the top sun shield. Combine the left and right halves of the top sun shield by aligning them concurrently with the triangle icon of the dome. Then attach them downwards on the dome.
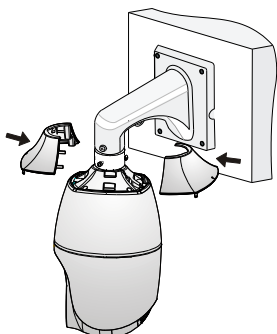
5   Default IP ,Username and Password

- Default IP address: 192.168.1.13
- Default username: admin
- Default password: 123456

> 📝 **NOTE!**
>
> The default password is used for your first login. To ensure account security, please change the password after your first login. You are recommended to set a strong password (no less than eight characters).

6   Access Your Camera

Before you begin, check that:

- Your camera is operating properly and connected to the network.
- The PC you are using is installed with Internet Explorer 7.0 or later.

Follow these steps to access your camera through the Web:

1. Open your browser, input the IP address of your camera 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!
>
> - The default password is used for your first login. To ensure account security, please change the password after your first login. You are recommended to set a strong password (no less than eight characters).
>
> - Install the ActiveX at your first login. When the installation of the ActiveX is completed, open your IE to log in.
>
> - For your first login with Windows 7, if the system does not prompt you to install ActiveX, follow these steps to turn off UAC: click the Start button, and then click Control Panel. In the search box, type uac, and then click Change User Account Control Settings. Move the slider to the Never Notify position, and then click OK. After UAC is turned off, log in again.
>
> - If the installation failed, open Internet Option in IE before login. Click the Security tab, click Trusted sites, and then click Sites to add the website. If you use Windows 7, you need to save the setup.exe to your PC first, and then right-click the file, select Run as administrator, and then install it according to instructions.

7 Reset Camera to Default Settings

Remove the rear cover from the camera. Press and hold the RST button for about 15 seconds. The RST button only works within ten minutes after the camera is powered on. Then the camera is restored to the default settings after the restart.
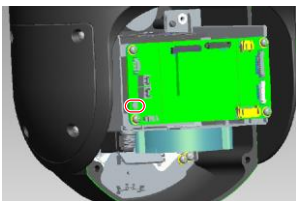
Disclaimer and Safety Warnings

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EU Authorised Representative

UNV Technology EUROPE B.V. Room 2945,3rd Floor,Randstad 21-05 G,1314 BD,Almere,Netherlands.

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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. Uniview 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.
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- To the extent allowed by applicable law, in no event will Uniview be liable for any special, incidental, indirect, consequential damages, nor for any loss of profits, data, and documents.
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- To the extent allowed by applicable law, in no event shall Uniview'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 default password and set 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 Uniview's official website or contact your local dealer for the latest firmware.

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

- **Change 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 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 Uniview's official website.

Safety Warnings

The device must be installed, serviced and maintained by a trained professional with 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 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 Uniview 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

- Install and use the device 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 battery is used, avoid:
  - Extremely high or low temperature and air pressure during use, storage and transportation.
  - 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 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.

Avertissement de l'utilisation de la batterie
- Lorsque utiliser la batterie, évitez:
  - Température et pression d'air extrêmement élevées ou basses pendant l'utilisation, le stockage et le transport.
  - Remplacement de la batterie.
- Utilisez la batterie correctement. Mauvaise utilisation de la batterie comme celles mentionnées ici, peut entraîner des risques d'incendie, d'explosion ou de fuite liquide de gaz inflammables.
  - Remplacer la batterie par un type incorrect;
  - Disposer d'une batterie dans le feu ou un four chaud, écraser mécaniquement ou couper la batterie;
- Disposer la batterie utilisée conformément à vos règlements locaux ou aux instructions du fabricant de la batterie.

- **Personal safety warnings:**
  - Chemical Burn Hazard. This product contains a coin cell battery. Do not ingest 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.

- **Avertissements de sécurité personnelle:**
  - Risque de brûlure chimique. Ce produit contient une batterie de cellules. N'ingérer pas la batterie. Si la batterie de cellule est avalée, elle peut causer de graves brûlures internes en seulement 2 heures et peut entraîner la mort.
  - Gardez les batteries nouvelles ou utilisées à l'écart des enfants.
  - Si le compartiment de la batterie ne se ferme pas en toute sécurité, cessez d'utiliser le produit et gardez-le à l'écart des enfants.
  - Si vous pensez que des piles ont pu être avalées ou placées à l'intérieur d'une partie du corps, consultez immédiatement un médecin.

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.

Visit http://en.uniview.com/Support/Download_Center/Product_Installation/Declaration/ for SDoC.

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.

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 Regulation- (EU) 2023/1542

Battery in the product complies with the European Battery Regulation- (EU) 2023/1542. For proper recycling, return the battery to your supplier or to a designated collection point.

Better Security, Better World