

Deep-Learning Dual-Lens PTZ Network Cameras Quick Guide

Waterproof Requirements

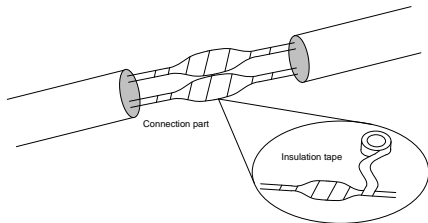
Please waterproof cables in accordance with the following instructions. User shall assume all responsibility for device damage caused by water due to improper waterproof measures.



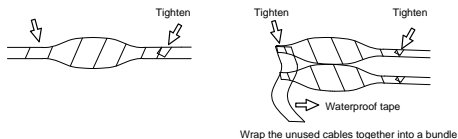
NOTE!

- 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.

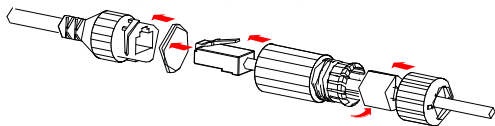
1. Use insulation tape (not included in the package) to insulate the connection part of each cable.



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.



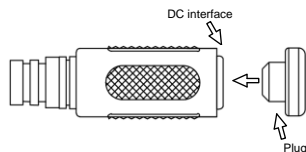
3. Install the supplied waterproof components to the network cable in sequence.



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.



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.

1 Packing List

No.	Name	Qty	Unit
1	Camera	1	PCS
2	Power adapter	1	PCS
3	Waterproof components	1	Set
4*	Bracket adapter	1	PCS
5	Tail cable cover and sun shield	1	Set
6	User manual	1	Set

Remarks:

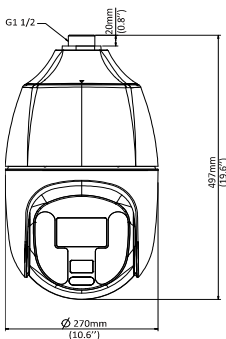
* means optional and supplied with certain models only.

The package contents may vary with device model.

2 Appearance

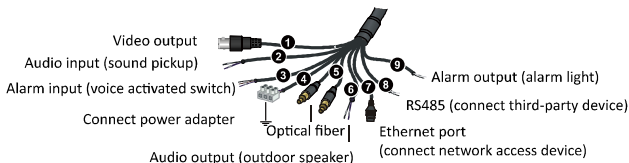
2.1 Dimension

The actual appearance may vary with device model. The figure below is for illustrative purposes only.



2.2 Cable Connection

The tail cable may vary with device model. The figure below is for illustrative purposes only.



3 Mount Your Camera

3.1 Check Before Mounting

- Check device components: Before mounting your camera, check component types and quantities against the packing list to ensure components are complete.
- Check mounting position: Make sure the mounting position is strong enough to hold the weight of the camera and its accessories. Make reinforcement if necessary.
- Lightning protection and grounding requirements: Choose proper lightning protection devices for the power supply, video and audio cables, and RS485 cables.
- Accessory model: Accessories such as wall mount bracket are needed during installation. For detailed models, refer to the recommended accessory list.

3.2 (Optional) Install Micro SD Card

You need to install a Micro SD card to use the edge storage function.



NOTE!

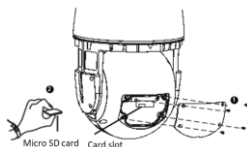
- Please format the Micro SD card on the camera's Web interface before use.
- Please consult your dealer or technical support for the recommended Micro SD card specifications.
- The figure below is for illustrative purposes only. The position of the Micro SD card slot may vary with device model.



WARNING!

- Before you insert or remove the Micro SD card, be sure to disconnect power and wait till the camera stops operation; otherwise, the camera or the Micro SD card may be damaged.
- Do not disassemble the camera in a humid environment. The high humidity inside the camera will cause lens fogging.

1. Remove the SD card cover by loosening the four screws.
2. Insert the Micro SD card into the slot.
3. Ensure the sealing ring is in position.
4. Replace the SD card cover and tighten the screws.



3.3 (Optional) Install Optical Module

Only some models support the optical module.

3.3.1 Precautions

- Be sure to use single-mode fibers. Do not use multi-mode fibers.
- Make sure that the optical module of the camera matches that of the switch, such as transmission mode, and transmission and reception wavelengths. The theoretical transmission distance should be greater than the actual transmission distance.
- Choose a high-quality fiber connector. Any non-standard fiber connector without chamfer may damage the optical module, fiber optic adapter, optical splitters, etc.
- You can switch optical port and Ethernet port without disconnecting power to access network. But the optical port and Ethernet port cannot be used at the same time.
- Before connecting an optical fiber, check that there is no obvious defect such as stain, scratch, dent, or pit. If there is any stain on the fiber connector, fiber optic

adapter, or optical module, clean it with alcohol and clean cotton (or a clean cotton rod).

- When installing the SFP optical module, do not overbend the optical fiber (more than 90°). Coil up the optical fiber if necessary. Make sure the bending radius is greater than 30mm.
- When mounting the tail cable cover, be very careful not to clamp or pinch the optical fiber; otherwise, the optical fiber may be damaged.
- Check that the fiber connector and its push-pull tab are in good condition and functional, and the connection to the peer end is proper.
- To connect a fiber connector and a fiber optic adapter, align the fiber connector with the slot in the fiber optic adapter to ensure proper interconnection.

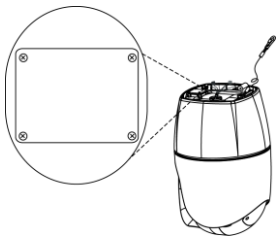
3.3.2 Installation



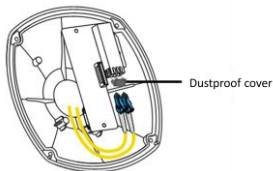
NOTE!

The figures below are for illustrative purposes only.

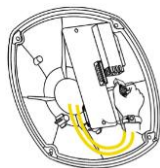
1. Loosen the four screws on the top of dome camera, and then remove the cover.



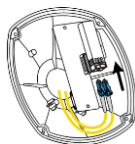
2. Remove the dustproof cover.



3. Insert the recommended SFP optical module.



4. Insert the optical fiber connector into the optical module. Then replace the cover with the screws.



Note:

When using a single-fiber optical module, please connect the optical module to the external network switch using the same fiber optic cable (e.g., if you use the FIBER, 0 cable to connect the optical module, you must also use the FIBER, 0 cable to connect to the network switch).

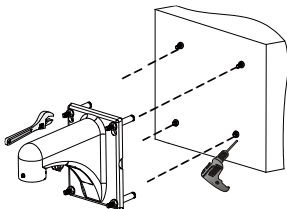
3.4 Wall Mount



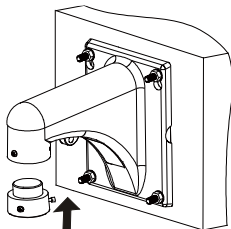
CAUTION!

- Use the handle to take the camera out of the box. Do not use the tail cable to lift the camera.
- Tighten all the screws of various joints connecting to the camera, including bracket and bracket adapter.
- Take waterproof measures for the connection parts between the dome and the bracket, wall veneer slits, and cable outlets on the wall.
- The following describes wall mount without drilling a cable hole.

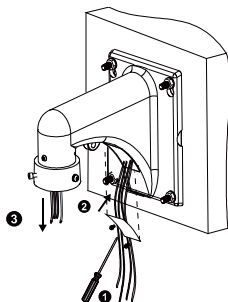
1. Drill holes on the wall and mount the bracket onto the wall.



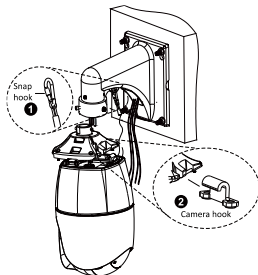
2. Screw the bracket adapter into the connector of the bracket.



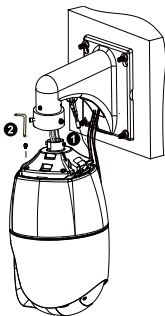
3. Remove the bracket cover, lead external cables into the bracket and out from the bracket adapter.



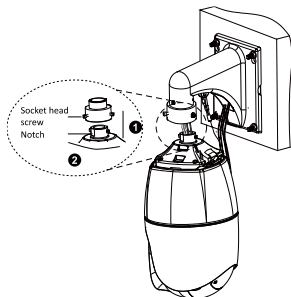
4. Attach the safety wire to the bracket with the snap hook locked. Then attach the tail cable cover to the camera by the camera hook.



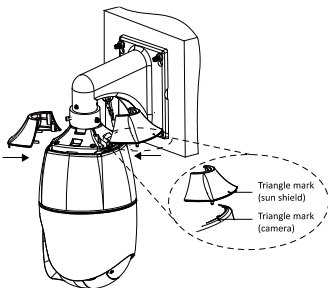
5. Lead external cables through the tail cable cover and connect with the tail cable. Seal the cables, and then fasten the four fixing screws on the tail cable cover with a hex key.



6. Hold the camera, align the notches on the tail cable cover with the socket head screws on the bracket adapter, then push up and rotate the camera till it is blocked. Fasten the two screws on the bracket adapter with the hex key.



7. Put the left and right halves of the sun shield together, align the triangle marks of the sun shield and the camera, and then mount the sun shield to the camera with the safety wire placed inside.



4 Startup

Check that the camera is properly installed, then connect power to start up the camera. You can perform operations after the self-test is completed.



NOTE!

After power-on, the camera will start self-test (including pan, tilt, zoom, and focus). Do not operate until the self-test is completed.

5 Access Your Camera

Follow these steps to access your camera through the Web:

1. Open your Internet Explorer, enter the camera's IP address (**192.168.1.13** by default, subnet mask is 255.255.255.0) 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**.
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NOTE!

- DHCP is enabled by default. If a DHCP server is used in your network, your camera may be assigned an IP address, and you need to use the assigned IP address to log in.
 - You may need to install a plug-in at your first login (close all browsers during installation). 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.
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Disclaimer and Safety Warnings

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- 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.

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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.

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 https://global.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.