

# Outdoor Dome Network Cameras Quick Guide

V1.00

# Waterproof Requirements

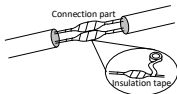
Please waterproof cables in accordance with the following instructions. User shall assume all responsibility for device damage caused by water due to improper waterproof measures.



## NOTE!

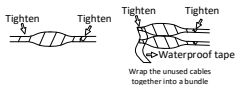
- Before you start, connect all the needed cables and cut off the copper wires for the cables that you don't use.
- Use waterproof components to protect the network cable. Waterproof the power cable separately if you don't use it. The video cable does not need waterproof treatment.

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

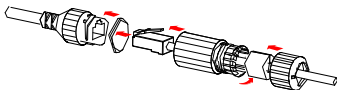


2. Waterproof the cables with self-adhesive waterproof tape.

- (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.



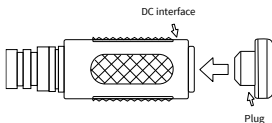
3. Install the supplied waterproof components to the network cable in sequence.



## 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

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

No.	Name	Qty	Unit
1	Camera	1	PCS
2*	Bracket adapter	1	PCS
3*	Waterproof components <sup>(1)</sup>	1	Set
4*	Mount accessories <sup>(2)</sup>	1	Set
5	Product documents	1	Set

#### 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 drill template, bracket adapter, wrench, etc.

## 2 Safety Instructions

The device and its accessories must be installed and maintained by a trained professional with necessary safety knowledge and skills. Be sure to read this guide carefully before use and strictly comply with the safety regulations during operation.

### 2.1 Precautions

- Avoid environments with extremely low and high temperatures, humidity, dust, vibration, etc. during installation and use. Keep away from heating, stoves, underside of bridges, etc. See the latest product datasheet for the detailed temperature and humidity requirements.
- Do not install the device in environments with strong electromagnetic interference, such as the circuit breaker area of a substation, near area of the power transmission lines, main transmission direction of the broadcast tower antenna, and near area of track pantograph, radar, and base station antenna. Otherwise, the device may be damaged.
- Do not use the device in environments with strong corrosiveness, strong acids, and high salinity and alkalinity, such as offshore islands, offshore platforms, chemical industry work areas, and near shore area within 5 kilometers of the coast. Ensure that appropriate corrosion protection measures are taken if installation in special environments is required.
- During the process of transportation, special attention is required for the protection of the transparent dome cover to prevent friction, scratch and contamination. 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.
- Before installation, make sure the wall or ceiling is strong enough to withstand the device.
- Do not overbend or drag cables during installation; otherwise, poor cable contact may cause malfunction.
- 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.
- When connecting the alarm input interface, make sure the high level signal of the alarm input does not exceed 5V DC.
- Make sure the length of the power cable between the power adapter and the device is not too long; otherwise, the voltage of the device is lowered, causing the device to work abnormally.
- Static electricity on the dome cover is a common phenomenon. To prevent the cover from attracting dust, it is recommended to wipe the dome cover surface using anti-static gloves after removing the transparent protective film.
- Protect the power cord from being trampled or crushed, especially at the plug, outlet, and the connection points between the cable and the device. A separate ground terminal must always be connected to ground.
- Make sure that the power has been disconnected before you maintain or move the device.

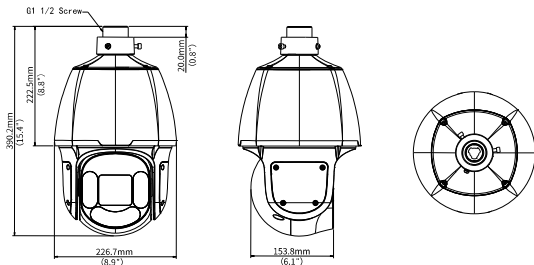
### 2.2 Maintenance

- 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 anti-static gloves or an oil-free cloth. If the grease or the stain still remains, use anti-static gloves or an oil-free cloth dipped with detergent and clean the glass surface gently.
- Do not use organic solvents (benzene, alcohol, etc.) to clean the transparent dome cover.
- Make sure the cleaning cloth is clean itself.

## 3 Appearance

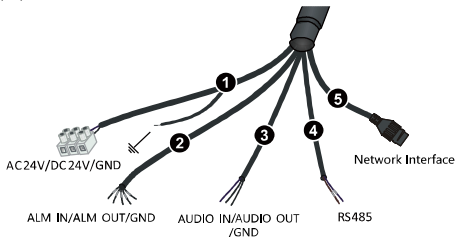
### 3.1 Dimensions

The figure below is for illustrative purpose only. The appearance may vary with device model. Please refer to the actual device.



### 3.2 Cable Connection

The figure below is for illustrative purpose only. The actual tail cables may vary with device model. Each tail cable is labeled with its color and signal definition. Please refer to the table below for proper cable connections.



No.	Description
1	Connects the power adapter. <b>Note:</b> Please make sure that the device is properly grounded before use.
2	<ul style="list-style-type: none"><li>ALARM IN: Alarm input interface, inputs alarm signal.</li><li>ALARM OUT: Alarm output interface, outputs alarm signal.</li></ul>

3	<ul style="list-style-type: none"> <li>• AUDIO IN: Audio input interface, inputs audio signal or performs two-way audio.</li> <li>• AUDIO OUT: Alarm output interface, outputs audio signal.</li> </ul> <p><b>Note:</b> The AUDIO_IN interface is shared by both audio input and two-way audio, but the two functions cannot be used simultaneously.</p>
4	RS485 interface, controls the connected external device, such as the third-party device.
5	<p>RJ45 1000M Base-TX self-adaptive Ethernet electrical interface, connects to the electrical network.</p> <p><b>Note:</b> See the latest data manual for the detailed specifications.</p>

## 4 Mount Your Camera

### 4.1 Check Before Installation

#### 1 Check package contents

Before installation, check against the packing list to ensure all parts are complete.

#### 2 Installation position strength

Different installation methods have varying strength requirements for the installation position. Ensure the installation position is strong enough to withstand the device. Strengthen the position if needed.

#### 3 Lightning protection requirements

Select proper lightning protection devices for the power supply, audio and video cables, and RS485 cables. Also, ensure the device is properly grounded.

#### 4 Accessories

Accessories like wall mount bracket are required for wall mount. Please purchase the accessories according to our company's recommendation list.

### 4.2 (Optional) Install the Micro SD Card

You need to install a Micro SD card first if you want to use the edge storage function. To install the Micro SD card, you need to remove the rear cover.



#### **NOTE!**

Please consult your dealer or technical support for the recommended SD card specifications.

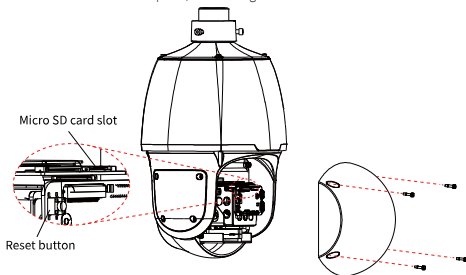
The figure below is for illustrative purpose only. The actual card slot position may vary.



## 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 and the Micro SD card may be damaged.

1. Remove the 4 screws on the rear cover.
2. Insert the Micro SD card into the slot.
3. Check that the sealing ring is in position.
4. Put the rear cover back in place, and then tighten the screws.



## NOTE!

To restore the device to factory defaults:

Follow the Step 1 to remove the rear cover. Press and hold the raised circular reset button  for at least 10 seconds. Then, wait for the device to restart and restore to factory defaults. This operation is effective only within 10 minutes after the device is powered on.

## 4.3 Mount the Camera

The figures below are for illustrative purpose only. The actual device may vary.

### 4.3.1 Wall Mount

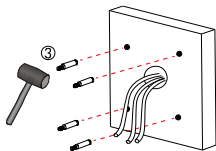
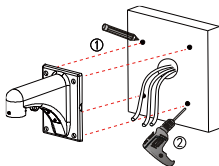


#### CAUTION!

- Make sure that the screws at each junction of the bracket and the bracket adapter are tightened in place.
- Make sure to perform waterproof treatment on the connection part between the camera and bracket, wall veneer gaps, and cable outlets on the wall.
- The following takes the concealed installation as an example. For open installation, lead the cables directly through the cable outlet on the mounting bracket.

#### 1. Locate holes and install the expansion bolts.

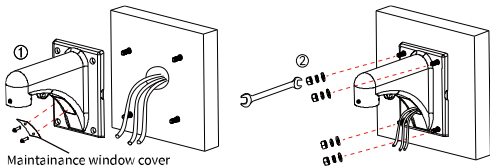
- (1) Locate holes according to the mounting holes on the bracket.
- (2) Select a drill bit that matches the outer diameter of the expansion bolt, and then drill holes with reference to the length of the expansion bolt.
- (3) Knock the expansion bolts into the holes until they are fully tightened.





2. Secure the bracket.

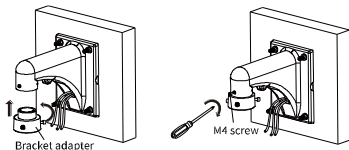
- (1) Remove the maintenance window cover on the bracket and lead cables out of the window.
- (2) Align the bracket with the holes, and then insert the bracket through the expansion bolts. Install the flat washers, spring washers, and nuts in sequence, and then use a wrench to tighten the 4 nuts to secure the bracket.



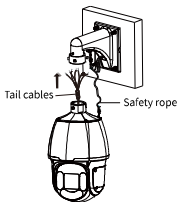
**Note:**

Ensure that the flash washers and spring washers are installed in place; otherwise, the screw components may not be fully tightened.

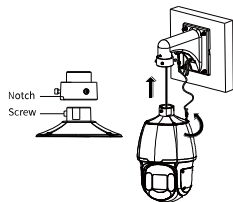
3. Screw the bracket adapter into the bracket's connector, and then tighten the M4 screw.



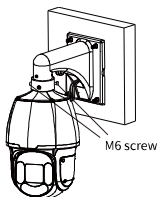
4. Hang the other end of the safety rope on the bracket, and then lead the tail cables through the bracket adapter and out of the maintenance window.



5. Align the screw on the top of the camera with the notch on the bracket adapter, push the camera up, and then rotate the camera clockwise until fully tightened.

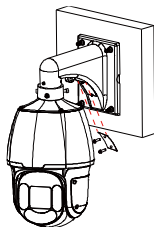


6. Tighten the two M6 screws on the bracket adapter.



7. Connect all cables.

- (1) Connect the tail cables with the cables in the wall, and then hide them into the bracket.
- (2) Reinstall the maintenance window cover back in place and fasten the screws.



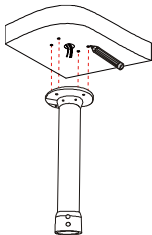
### 4.3.2 Pendant Mount



#### CAUTION!

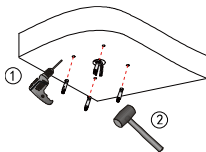
- Pendant mount bracket is NOT intended for outdoor use. If used outdoors in special circumstances, be sure to apply waterproof treatments. Please note that the user shall assume full responsibility for any damage caused by improper waterproofing measures.
- The user-customized pole must meet the waterproof requirements and be kept away from water.
- The tail cable must be waterproofed and must not be exposed to the outside. The area where the tail cable is located must be waterproofed to avoid soaking the tail cable in water. The connection between the camera and the pole must be sealed.

1. Locate holes according to the mounting holes on the bracket.

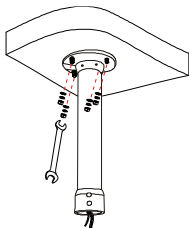


2. Install the expansion bolts.

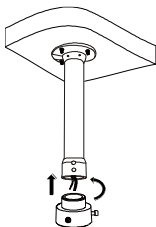
- (1) Select a drill bit that matches the outer diameter of the expansion bolt, and then drill holes with reference to the length of the expansion bolt.
- (2) Knock the expansion bolts into the holes until they are fully tightened.



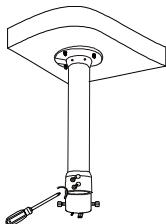
3. Lead the cables through the bracket. Align the bracket with the holes, and then insert the bracket through the expansion bolts. Install the flat washers, spring washers, and nuts in sequence, and then use a wrench to tighten the 4 nuts to secure the bracket.



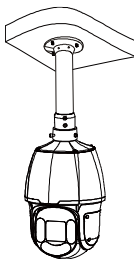
4. Screw the bracket adapter into the bracket's connector.



5. Tighten the screw on the bracket connector.



6. Connect all cables and follow the Step 5 & 6 in [Chapter 4.3.1 Wall Mount](#) to secure the camera with the bracket adapter.



## 5 Startup

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

The device performs a self-test each time the device is powered on. Please wait for the self-test to complete before operating the device.

## 6 Web Login

### Note:

Default IP Address  
**192.168.1.13**

Username/Password  
**admin/123456**

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. Change your device password on a regular basis and keep the password safe to ensure that only the authorized user can log in to the device.



### NOTE!

When using a non-IE browser, you can log in without installing the plug-in. However, some functions in the Live View, Photo, and Setup pages may not work properly without the plug-in. Please refer to the actual interface.

## 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.
- **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.
- **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.

- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **SNMP:** Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.

### 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 [http://en.uniview.com/Support/Download\\_Center/Product\\_Installation/Declaration/](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.