

# Perimeter Radar

## Quick Guide

V1.00

# Waterproof Requirements

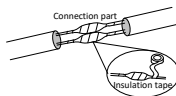
Please waterproof cables in accordance with the following instructions. User shall assume all responsibility for device damage caused by water due to improper waterproof measures.



## NOTE!

- Before you start, connect all the needed cables and cut off the copper wires for the cables that you don't use.
- 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.

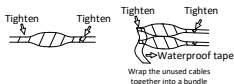


2. Waterproof the cables with self-adhesive waterproof tape.

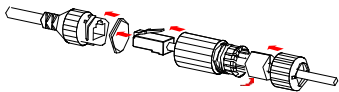
(1) Fully stretch the waterproof tape at both ends.

(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.



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**i CAUTION!**

The thin rubber ring should be first placed around the network cable connector.

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4. (Optional) Arrange and place the waterproofed cable in a waterproof junction box (sold separately).
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**i CAUTION!**

- The cable connectors should not be exposed and immersed in water.
  - The device should be restored and securely fastened after being opened.
  - The power adapter should be placed in the distribution box.
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## 1. Packing List

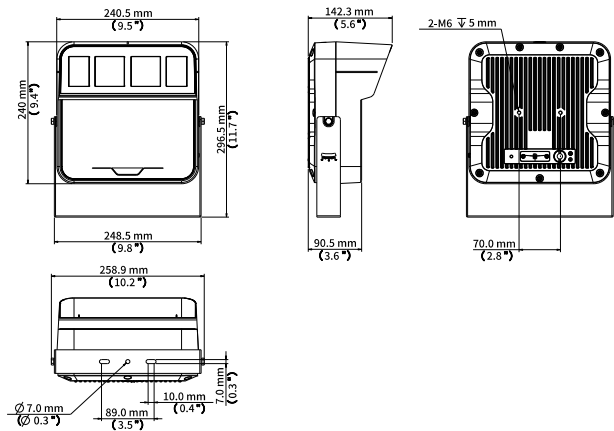
The package contents may vary with device model and version.

No.	Name	Qty	Unit
1	Device	1	PCS
2	Waterproof components	1	Set
3	Screw components	2	Set
4	Product documents	1	Set

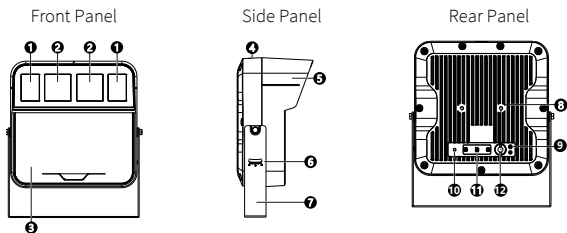
## 2. Product Introduction

This manual is applicable to multiple device models. The actual appearance and interfaces may vary with device model.

### 2.1 Appearance

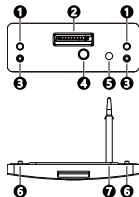


## 2.2 Structure

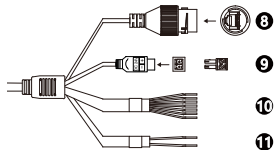


① Illuminator	② Camera	③ Radar
④ Spirit level	⑤ Rain shield	⑥ Angle scale
⑦ U-shaped bracket	⑧ Wall mount hole	⑨ Grounding screw
⑩ Indicator light	⑪ Micro SD card cover	⑫ Cable outlet

Micro SD card cover and interior



Tail cable



① Screw hole	② Micro SD card slot	③ Positioning hole
④ Reset button	⑤ Anti-drop hole	⑥ Positioning pin
⑦ Anti-drop rope	⑧ Network interface	⑨ Power interface
⑩ Alarm input/output wires	⑪ RS485 cable	-

## 3. Device Installation

### 3.1 Preparation

#### 1 Tools

- Gloves
- Wrench
- Screwdriver

#### 2 Environment Check

- Ensure the temperature is in the range of -30°C to 60°C, and the relative humidity (RH) is in the range of 5% to 95% (non-condensing).
- Please plan the installation position of the device and cable routing in advance, ensuring that the detection area in front of the device is unobstructed and free from any signal interference.
- The selected power supply should be consistent with the one specified by the device, and the supply voltage should be stable.
- Ensure that the grounding system is good and reliable.

### 3.2 (Optional) Install Micro SD Card

You need to install a Micro SD card (sold separately) in order to use the local storage function.



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**NOTE!**

- The Micro SD card must be formatted before use. This can be done through the Web interface.
  - For the recommended specifications of the Micro SD card, please consult sales or technical support personnel.
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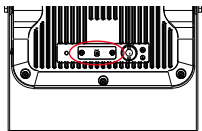
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**CAUTION!**

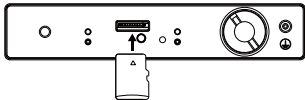
Before inserting or removing the Micro SD card, be sure to disconnect the power and make sure that the device has stopped operation, otherwise, it may damage the device or the Micro SD card.

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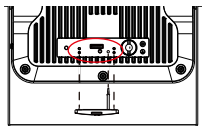
1. Unscrew the two screws on the Micro SD card cover and remove the cover.



2. Following the marked direction, insert the Micro SD card into the Micro SD card slot



3. Align the positioning pins with the positioning holes, tighten the screws to secure the Micro SD card cover.



## 3.3 Wall Mount

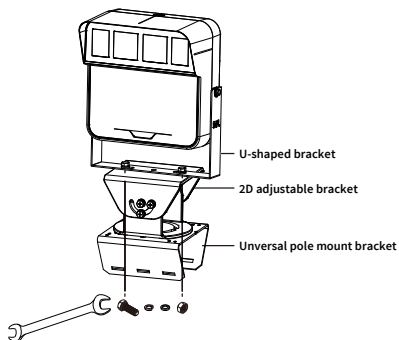


### NOTE!

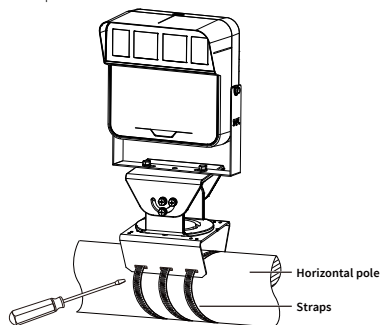
- The 2D adjustable bracket, 3D adjustable bracket, universal pole mount bracket, and straps are not included and need to be purchased separately.
- For pendent mount, rotate the U-shaped bracket from the back of the device to the top to avoid interference with the rain shield.
- You can connect the device to power and network, then log into the [Web](#) interface to view the live video and adjust to the best angle.

### 3.3.1 Option 1: Horizontal Pole Installation

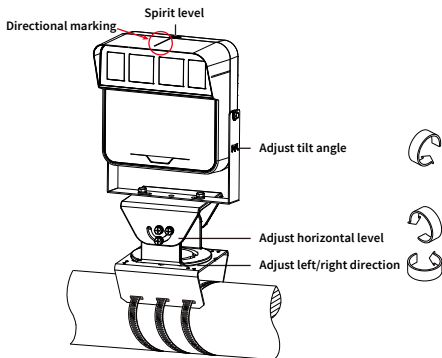
1. Use the supplied long screws to secure the device to the 2D adjustable bracket, and then fix it to the universal pole mount bracket.



2. Pass the straps through the holes at the bottom of the universal pole mount bracket and attach it to the horizontal pole. Tighten the fixing screws on the straps.



3. Refer to the marking on the top of the device to adjust the orientation of the 2D adjustable bracket; use the scale on the U-shaped bracket to adjust the device's tilt angle, ensuring that the device is level while tilted  $2^\circ$  towards the detection area, which will position the bubble in the spirit level at the center of the black circle.



### 3.3.2 Option 2: Wall Mount

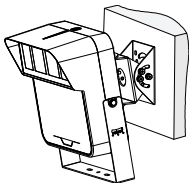


#### **NOTE!**

For wall mount, please use the 3D adjustable bracket to adjust the installation direction and tilt angle.

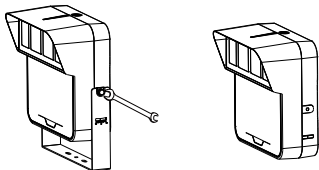
#### 1 With U-shaped bracket

1. Secure the 3D adjustable bracket to the wall.
2. Use the supplied short screws to attach the device to the bracket.
3. Refer to Option 1: Horizontal Pole Installation to adjust the installation direction and tilt angle of the device, and then tighten the screws on the bracket.

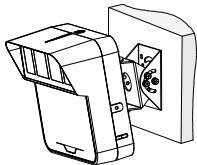


## 2 Without U-shaped bracket

1. Loosen the screws on both sides of the U-shaped bracket and remove the U-shaped bracket.



2. Secure the 3D adjustable bracket to the wall.
3. Use the supplied short screws to attach the device to the bracket.
4. Refer to Option 1: Horizontal Pole Installation to adjust the installation direction and tilt angle of the device, and then tighten the screws on the bracket.



## 3.4 Cable Connection

### 1 Cable connection

Connect the required cables to the device's tail cable, and ensure that the grounding screw is properly grounded.

### 2 Waterproof treatment

Refer to the waterproof instructions for proper waterproof treatment of the connected cables to prevent water ingress.

### 3 Installation Check

- Ensure the device is securely and stably installed, with all screws properly tightened and no missing screws.
- Check that the device is correctly grounded, all cable connections are correct, and there are no loose connections.
- The device cover should be clean and tidy. If cleaning is needed, use a soft damp cloth and allow it to air dry naturally.

## 4. Device Startup/Shutdown

### 1 Startup

After checking that the installation is correct and complete, connect one end of the power adapter (sold separately) to the device's power interface, and the other end to the mains power supply to power on the device. You can determine the device's operating status through the indicator light.

Indicator Status	Description
Green	Device is operating properly.
Yellow	Device is starting up.
Red	Device is abnormal or resetting/restarting.

### 2 Reset/restart

Within 10 minutes after powering on the device, use a thin wire or similar tool to insert into the reset button hole and press down for more than 10 seconds. This will restore the device to its factory settings and restart it.

### 3 Shutdown

Disconnect the power supply to power off.

## 5. Web Login

#### Default IP

192.168.1.13

#### Default

#### username/password

admin / 123456

#### NOTE:

To ensure security, please set a strong password (at least nine characters, including uppercase and lowercase letters, digits, and special characters) after your first login. Please change the password regularly and keep it properly to ensure that only authorized users can access the device.

# Disclaimer and Safety Warnings


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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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## 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 the battery. It can cause severe internal burns and 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 [https://global.uniview.com/Support/Download\\_Center/Product\\_Installation/Declaration/](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.

# Better Security, Better World

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