

Wireless Bridge Quick Guide

V1.02

Preface

The content of this section is designed to ensure that users use the product correctly to prevent dangers or property loss caused by improper operation. Before using this product, be sure to read this manual carefully. Please keep this manual properly for future reference.

About This Manual

- We recommend that you use this manual under the guidance of a professional.
- This manual is designed for use with multiple product models, and it is not possible to list the appearance and functions of each product individually. Please refer to the actual product for use.
- 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.
- Uniview reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.
- This manual will be updated in real time according to the laws and regulations of the relevant regions. For specific details, please refer to the product's paper copy, QR code, or official website. In case of any discrepancy between the paper copy and the electronic version, the electronic version shall prevail.

About This Product

If the product you have chosen is a video product, please strictly adhere to the applicable laws and regulations. You can visit our official website to inquire about the relevant content.

Instructions for Use

- This document serves as a guide for use only. All statements, information, and suggestions contained in this document do not constitute any express or implied warranty.
- We assume no responsibility for any special, incidental, consequential, or indirect damages resulting from the use of this manual or the use of our products, including but not limited to losses due to loss of business profits, data or document loss, and product malfunction or information leakage caused by cyber-attack, hacker attack, and virus infections.
- Due to uncertain factors such as the physical environment, there may be discrepancies between the actual values of some data and the reference values provided in the manual. In case of any questions or disputes, the company's final interpretation shall prevail.




Formatting Conventions

The UI formatting conventions used in this document are as follows:

Format	Meaning
Bold	Bold means UI elements (button names, menu names, window names, etc.), e.g., Click Save .
>	Indicate a sequence of actions, e.g., click Device Management > Add Device, which means first click Device Management, and then click Add Device.

Symbol Conventions

This document uses various distinctive symbols to highlight areas that require special attention during the operation process. The meanings of these symbols are as follows:

Symbol	Meaning
	NOTE: Provides tips and additional information related to the operation and use of the product.
	CAUTION: Alerts to matters that requires attention during operation, as improper handling may lead to product damage, data loss, or functional abnormalities.
	WARNING: The annotations following this symbol demand extra attention, as improper handling could potentially cause personal injury.

Legal Statement

Copyright Statement

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Uniview complies with applicable export control laws and regulations worldwide, including that of the People's Republic of China and the United States, and abides by relevant regulations relating to the export, re-export and transfer of hardware, software and technology. Regarding

the product described in this manual, Uniview asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

EU Authorised Representative

UNV Technology EUROPE B.V. Treubstraat 1, 2288 EG, Rijswijk, Netherlands.

If you have any feedback, please contact us at service@uniview.com.

Disclaimer of Liability

- We assume no responsibility and offer no compensation for any special, incidental, consequential, or indirect damages resulting from the use of this manual or our products, including but not limited to losses related to lost business profits, data, or document loss.
- The product described in this manual is provided on an "as is" basis. Unless required by applicable law, this manual is only for informational purpose, and all statements, information, and recommendations in this manual are presented without warranty of any kind, expressed or implied, including, but not limited to, merchantability, satisfaction with quality, fitness for a particular purpose, and noninfringement.
- Users must assume total responsibility and all risks for connecting the product to the Internet, including, but not limited to, network attack, hacking, and virus. Uniview strongly recommends that users take all necessary measures to enhance the protection of network, device, data and personal information. Uniview disclaims any liability related thereto but will readily provide necessary security related support.
- To the extent not prohibited by applicable law, in no event will Uniview and its employees, licensors, subsidiary, affiliates be liable for results arising out of using or inability to use the product or service, including, not limited to, loss of profits and any other commercial damages or losses, loss of data, procurement of substitute goods or services; property damage, personal injury, business interruption, loss of business information, or any special, direct, indirect, incidental, consequential, pecuniary, coverage, exemplary, subsidiary losses, however caused and on any theory of liability, whether in contract, strict liability or tort (including negligence or otherwise) in any way out of the use of the product, even if Uniview has been advised of the possibility of such damages (other than as may be required by applicable law in cases involving personal injury, incidental or subsidiary damage).
- To the extent allowed by applicable law, in no event shall 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.
- When using this product, please strictly adhere to the applicable laws and regulations to avoid infringing upon the rights of third parties, including but not limited to intellectual property rights, data rights, or other privacy rights. You must also not use this product for the purposes of developing or facilitating the use of weapons of mass destruction, biological or chemical weapons, nuclear weapons, or for any other purposes that violate international norms and regulations.

Privacy Protection Reminder

Uniview complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy at our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual

may involve the collection of personal information such as face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

Safety Precautions

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 Safety

Please use batteries properly; otherwise, there is a risk of fire or explosion.

- Warning: Using incorrect battery models can lead to explosion.
- If you need to replace the battery, it is recommended that you go to an authorized service center or have it replaced under professional supervision. We shall not be held responsible for any issues arising from unauthorized battery replacement.

- When replacing the battery, be sure to use a battery of the same type as the original! Using the wrong model for replacement (such as certain types of lithium batteries) may cause safety protection to fail.
- Batteries must not be exposed to overheat environments such as sunlight, fire, as this may lead to fire, explosion, or combustion.
- Do not dispose of batteries in fire or heating appliances. Do not squeeze, bend, or cut batteries, as it may cause explosion.
- Do not expose batteries to extremely high or low temperatures, or to very low-pressure environments, as this may cause explosion or leakage of flammable liquid/gas.
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.
- For products or the included remote control containing a button cell battery: Do not ingest the battery - chemical burn hazard! If swallowed, a button cell battery can cause severe internal burns within 2 hours and may be fatal. Precautions (including but not limited to):
 - Keep new and used batteries away from children.
 - Stop using the product and keep it away from children if the battery compartment is not securely closed.
 - If you suspect that a battery may have been swallowed or inserted inside any part of the body, seek immediate medical attention.

Network Security

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

This product does not support public IP address assignment.

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.
 - Do not include the account name or the reverse of the account name.
 - Avoid using consecutive characters, such as 123, abc, etc.
 - Do not use overlapping characters, such as 111, aaa, etc.
- **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.

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/forSDoC.

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 B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

European LV/EMC/RE/RoHS Directive



This product complies with Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RE Directive 2014/53/EU and RoHS Directive 2011/65/EU and (EU) 2015/863.

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.

Hereby, Zhejiang Uniview Technologies Co., Ltd. declares that this device (refer to the label) is in compliance with Directive 2014/53/EU. The EU declaration of conformity is available at the following internet address: https://global.uniview.com/Support/Compliance/EU_Declaration_of_Conformity
The frequency bands and the nominal limits of transmitted power of the device are available at the following internet address: https://global.uniview.com/Support/Compliance/RF_Frequency_and_Power

IC Statement

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

1 Packing List

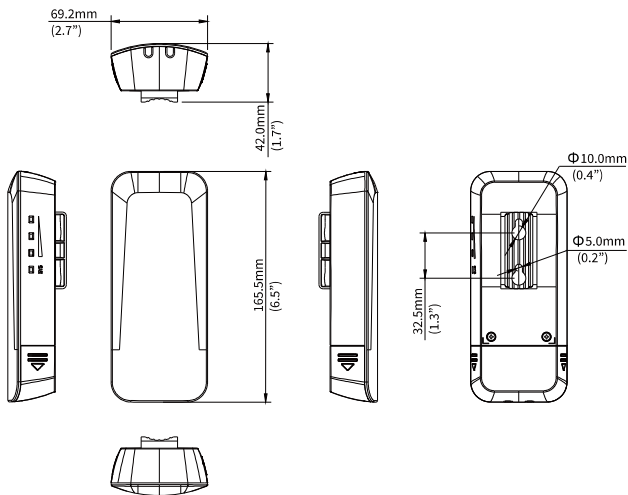
Contact your local dealer if the package is damaged or incomplete. The package contents may vary with device model.

No.	Name	Qty	Unit
1	Wireless bridge	2	PCS
2	PoE injector	2	PCS
3	Power adapter	2	PCS
4	Cable tie	6	PCS
5	Product documents	1	Set

2 Product Introduction

2.1 Appearance and Dimensions

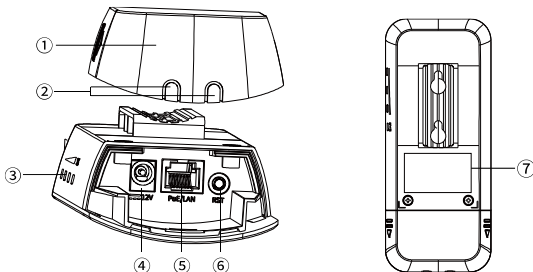
The product appearance may vary with the device model. The dimensions are shown below:



2.2 Interfaces

1 Wireless bridge

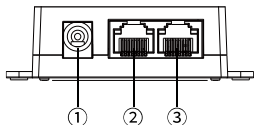
Two wireless bridges are supplied, including a camera-end bridge and a recorder-end bridge, which can be distinguished by the label on the device body.



No.	Name	Description
①	Dust cover	Dust-proof; secures the cables
②	Cable notch	Secures the power cable/network cable
③	Indicator	See Indicators for details
④	Power interface	DC 12V power input, connects the external power supply
⑤	PoE/LAN	RJ-45 Ethernet interface, supports 12V non-standard PoE power supply <ul style="list-style-type: none">● Connects the PoE output interface to receive power and network signal when used with a PoE injector● Connects the switch or other network devices to receive network signal when not used with a PoE injector
⑥	Reset button	<ul style="list-style-type: none">● Press and hold for 10 seconds to restore factory defaults● Press and hold for 3 seconds to pair
⑦	Device label	Provides critical information for device identification and network configuration

2 PoE Injector

When the installation environment lacks a convenient power source or a remote power supply is required, a PoE injector can be used to provide both power and network signal to the bridge using a network cable.



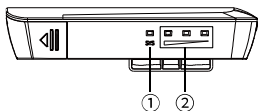
No.	Name	Description
①	Power interface	DC 12V power input interface, connects the external power supply
②	PoE	Signal and power output interface, connects the wireless bridge to provide power and network signal
③	LAN	Network interface, connects the switch or other network devices to receive network signal



WARNING!

To power the device using a PoE injector, you must use the supplied injector. Using a different model of PoE injector or switch for the power supply may damage the device.

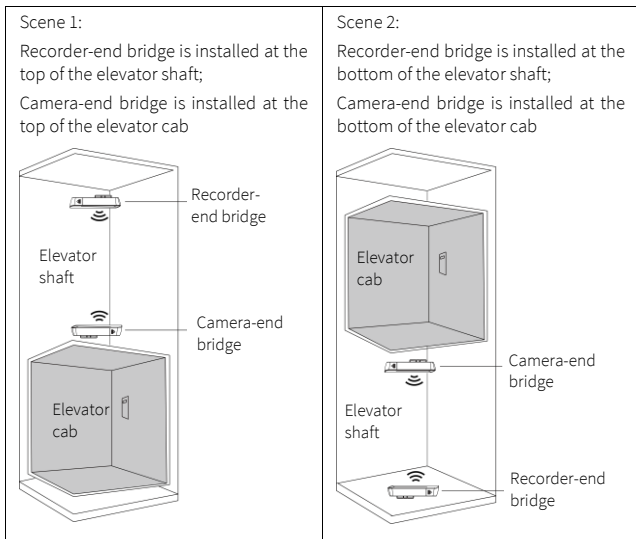
2.3 Indicators



No.	LED	Description
①	System	<p>Reflect the hardware and system status of the network bridge.</p> <ul style="list-style-type: none">● Steady on: The device is working normally, but the LAN interface is disconnected from the network● Blinking: The device is working normally, and the LAN interface is connected to the network● Off: The device is powered off, or abnormal after being powered on
②	Signal strength	<p>Show the signal strength of wireless bridge.</p> <ul style="list-style-type: none">● Recorder end:<ul style="list-style-type: none">➤ Three indicators blinking: Pairing➤ Three indicators on: Paired➤ Three indicators off: Not paired● Camera end:<ul style="list-style-type: none">➤ Three indicators blinking: Pairing➤ One indicator on: Weak signal strength➤ Two indicators on: Average signal strength➤ Three indicators on: Strong signal strength➤ Three indicators off: Not paired

3 Application Scene

The following typical application scenes are for reference only. Please deploy network devices as required.



4 Device Installation

4.1 Security Precautions

- Use the supplied power adapter and PoE injector to power the bridge.
- The recorder-end bridge and camera-end bridge should face each other directly, with no obstructions between them.
- It is recommended to maintain a distance of at least 40 cm between the wireless bridge and any wall to minimize signal attenuation and reduce interference.
- It is recommended to maintain a minimum separation of 2 meters between wireless bridges on adjacent elevators to avoid co-channel interference.

- The bridge's grounding point should not be shared with the grounding facilities of power devices or lightning protection systems, and it should be located as far away from them as possible.
- Stay away from wireless transmitters, radar transmitters, high-frequency high-current equipment, microwave ovens, and other high-power wireless devices.
- The bridge mounting location must be accessible for maintenance
- The device is cooled by natural convection. Ensure sufficient clearance is maintained on all sides (front, rear, left, right) during installation to facilitate heat dissipation.
- The device housing is hot during operation. Do not touch unless you are a qualified installation or service technician.

**WARNING!**

Be sure to disconnect the device from the power during installation, wiring, or maintenance.

4.2 Commissioning before Installation

Connect the bridge to the power supply using the supplied power cable. Once powered on, the bridge will automatically begin pairing. The pairing is successful when the signal strength indicator is steady on.

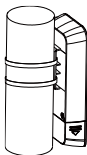
4.3 Device Installation

4.3.1 (Recommended) Pole Mount

**NOTE!**

The supplied cable ties fit the pole with a maximum diameter of 100mm. If the actual pole diameter exceeds this diameter, please prepare suitable cable ties.

1. Power off the device.
2. Thread the cable ties through the mounting bracket on the back of the device, secure the device to the pole, and then tighten the cable ties.



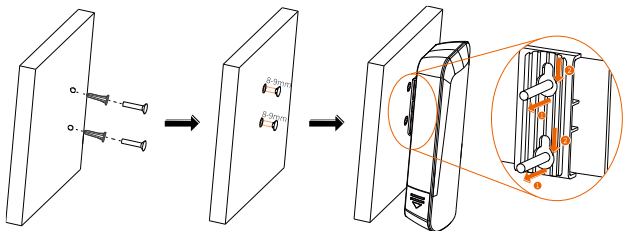
4.3.2 Wall Mount



NOTE!

Please prepare two M4 x 25mm screws and two M4 plastic expansion tubes.

1. Mark the screw hole positions on the wall. Drill the holes and insert two M4 plastic expansion tubes, and insert two M4x25mm screws into the tubes, leaving the screw heads 8 to 9mm away from the wall surface.
2. Align the wide openings of the keyhole slots on the bridge's bracket with the screw heads, hook the bracket onto the screws, and slide the bracket downwards to lock it into place.



5 Device Wiring

Connect the devices as shown in the diagram below, and use the supplied power cable to connect the bridge to the power supply.



NOTE!

The network cable is not supplied.

1 With PoE Injector



NOTE!

For reliable PoE power supply and stable network connection, it is recommended to prepare a standard Cat5e (or higher) cable with a maximum length of 60 meters.

Figure 5-1 Recorder End

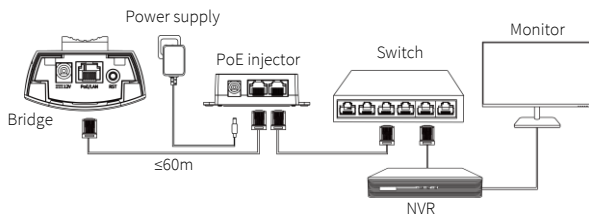
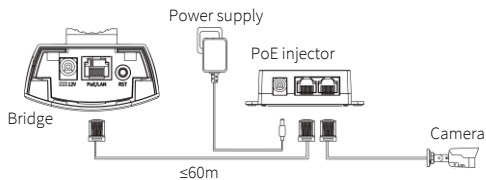


Figure 5-2 Camera End



2 No PoE Injector

Figure 5-3 Recorder End

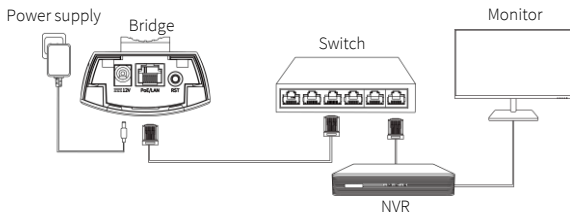
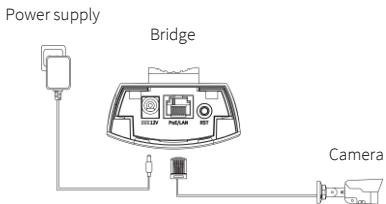


Figure 5-4 Camera End



6 Web Login

Device	Default IP	Default Password
Recorder-end bridge	192.168.123.2	123456
Camera-end bridge (paired)	192.168.123.3	123456
Camera-end bridge (not paired)	192.168.123.2	123456



NOTE!

For security, please set a strong password of at least nine characters including uppercase and lowercase letters, digits, and special characters. You are strongly recommended to regularly change the device password and keep it secure to ensure that only authorized users can log in.

7 App Management

You can configure, manage, and maintain the device using the app.

1. Scan the QR code below to download the app.



2. Tap **Sign Up** to create an account. You can log in if you have an account.
3. Tap **Quick Create**, and follow the on-screen instructions to add the device to the app.