

UBIBOT

Network Camera IPC

User Manual

This user manual is a general guide for all UBIBOT® network cameras. Features marked with an asterisk (*) are available only on certain models. Please refer to related instructions according to the version you purchased.

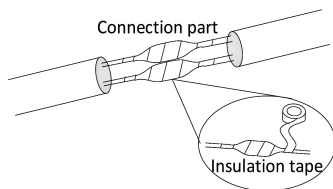
Waterproof Requirements

Follow the instructions below to waterproof the cables. Users are responsible for any device damage caused by improper waterproofing.

NOTE:

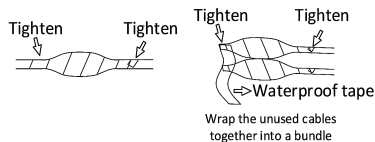
- Before you start, connect all the needed cables and cut off the copper wires for the cables that you don't use.
- Please use self-adhesive waterproof tape (supplied with some products) to protect the cables.
- Use waterproof components to protect the network cable. Waterproof the power cable separately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

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

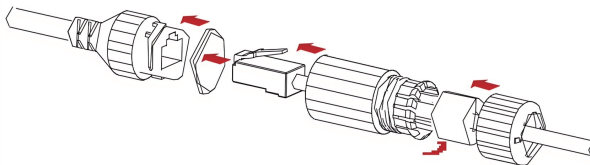


2. Waterproof the cables with self-adhesive waterproof tape.

- (1) Stretch the waterproof tape firmly at each end.
- (2) Wrap the connection and cable ends tightly, keeping the tape under tension throughout.
- (3) Tighten the tape at both ends to prevent water leakage.



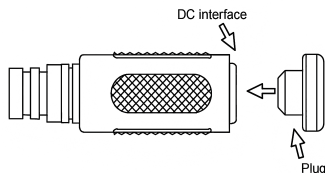
3. Install the supplied waterproof components to the network cable in sequence.



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.

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.
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Packing List

The package contents may vary with device model.

No.	Name	Qty	Unit
1	Camera	1	PCS
2	Waterproof components	1	Set
3	Screw components	1	Set
4	Mount accessories	1	Set

Safety Instructions

Installation and removal must be performed by qualified personnel. Read all safety instructions before installation or operation.

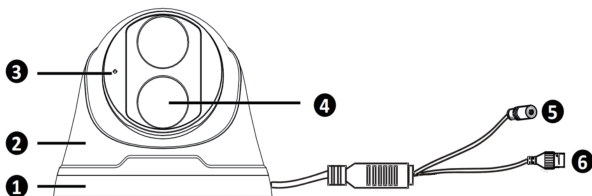
1. Precautions

- Use a power adapter or PoE device that meets the specified requirements to avoid damaging the device.
- Keep the power cable between the adapter and the camera reasonably short. Excessive cable length can cause voltage drop and abnormal operation. If you must extend a cable, extend it on the mains side (between the adapter and the mains) rather than the camera side.
- Avoid sharp bends in the cables; poor cable contact can 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. Ensure that the cable is not tense during mounting, with a proper margin reserved to avoid poor port contact or loosening caused by shock or shake.
- During transportation, special attention is required to protect the transparent dome cover from friction, scratch and stain, etc. Do not remove the protective film from the cover until mounting is finished. Remove the protective film before powering on the device.
- Contact a qualified service technician for maintenance. Do not attempt to open or repair the device yourself; unauthorized repair may void the warranty.

2. Maintenance

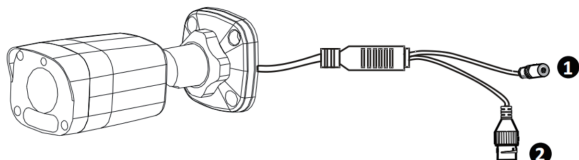
- If there is dust on the front glass surface, remove the dust gently using an oil-free brush or a rubber dust blowing ball.
- For grease or stubborn dirt, gently clean the glass from the center outward with anti-static gloves or an oil-free cloth. If needed, dampen the cloth with a mild detergent.
- Do not use organic solvents (e.g., benzene or alcohol) to clean the camera.

Appearance



Eyeball Camera

1. Bottom ring
2. Housing
3. Mic
4. Lens
5. Power interface(12V DC)
6. Ethernet interface



Bullet Camera

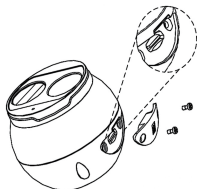
1. Bottom ring
2. Housing

Mount Your Camera

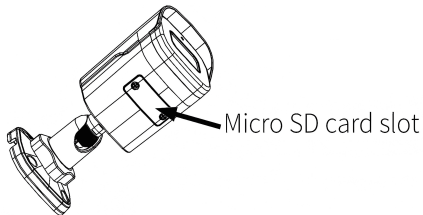
1. Insert micro SD Card (optional)

For cameras that support local storage, insert the microSD card after opening the bottom cover. Do not hot-plug

the card; inserting or removing the card while powered on may damage the card or device.



Eyeball Camera



Bullet Camera

2. Wall Mount

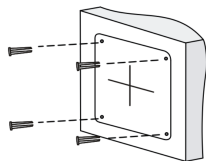
You can adopt wall mount or ceiling mount and purchase hardware accessories by yourself. The following part takes wall mount as an example. Ceiling mount is similar to wall mount and therefore is omitted here.

Eyeball Camera

<p>1. Attach the sticker to ceiling. Insert the plastic anchors.</p>	<p>2. Detach the housing from the base plate with the marks aligned.</p>
<p>3. Install the base plate and the camera. Connect cable and protect it with waterproof tape and attach dome to ceiling with taping screws.</p>	<p>4. Mount your camera. Mount the housing with install mark aligne.</p>
<p>5. Adjust the monitoring direction. Rotate the camera to desired monitoring direction.</p>	

Bullet Camera

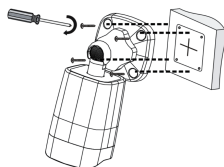
1. Locate the positions of the holes, drill holes on the wall, mount the plastic rivets of self tapping screws.



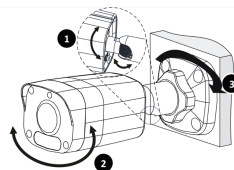
2. Loosen the locknut and adjust the angel of monitor before you attach camera to the wall.



3. Mount your camera onto the wall and connect all cables.



4. Adjust the monitoring direction.



NOTE:

The preceding installation process is for concealed installation, during which holes are punched on the wall and cables are penetrated into the wall. If open installation is adopted, cables are not penetrated into the wall but threaded out from the outlet on one side of the base.

DEVICE SETUP

Before you begin, check that:

Your camera is operating properly and connected to the network as the vision AI box VA1/VE1.

Download the App at www.ubibot.com/setup or search 'Ubibot' on the AppStore or Google Play.

Launch the App and log in. On the IPC page of VA1/VE1, select the camera and configure the settings. You can also view the demonstration video at www.ubibot.com/setup for step by step guidance.

Default username: admin; default password: 123456.

DEVICE SPECIFICATION

Camera	
Max Resolution	4 MP
Sensor	1/3.0" CMOS
Min. Illumination	Color sensitivity: 0.01 lux (F2.0, AGC ON); 0 lux with IR illumination.
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 80°, Rotate: 0° ~ 360°
Lens	
Focal Length	2.8 mm
Field of View (H)	101.5°
Field of View (V)	55.6°
Field of View (D)	111.6°
DORI	
DORI Distance(Lens)	2.8mm
DORI Distance(Detect)	63.0m (206.7ft)
DORI Distance(Observe)	25.2m (82.7ft)
DORI Distance(Recognize)	12.6m (41.3ft)
DORI Distance(Identify)	6.3m (20.7ft)
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 4MP (2560*1440), Max 25fps
Video Bit Rate	128 Kbps to 6144 Kbps
Network	
Compatible Integration	ONVIF (Profile S, Profile G, Profile T)
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 7W
Power Interface	Ø5.5 mm coaxial power plug
Interface	1 × RJ45 10 M/100 M Base-TX Ethernet
Edge Storage	microSD (up to 512 GB)
Working Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)

TECHNICAL SUPPORT

The UbiBot team welcomes your feedback on our products and services.

For any questions or suggestions, please feel free to create a ticket in the UbiBot app. Our customer services representatives respond within 24 hours and often in less than an hour. You can also contact local distributors for localized support. Please visit our website for contact details.

SAFETY WARNINGS

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. 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.

FCC Statement

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.

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.

V1.0