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MATRIX ®

TELECOM | SECURITY

Matrix 0235UNKN Smart Wireless Cube Cameras

Product Information

Specifications

- Dimensions: 77mm x 83mm x 42mm
- Micro SD card slot
- Microphone
- Indicator Lens
- Network interface
- Power interface
- RESET button
- Speaker
- Adjustable bracket

Product Usage Instructions

Safety Instructions

- Installation and removal of the unit and its accessories must be carried out by qualified

personnel. Read all safety instructions before installation and operation.

- Contact professionals for maintenance information. Do not attempt to dismantle the device by yourself.
- If there is dust on the front glass surface, remove it 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 it gently from the centre outward using anti-static gloves or an oil-free cloth.
- If the grease or stain remains, use an oil-free cloth dipped in detergent to clean the glass surface gently until it is clean. Do not use organic solvents to clean the transparent dome cover.

Mount Your Camera

- You need to install a Micro SD card first if you want to save video on an on-board SD card. Insert the Micro SD card into the side card slot.
- Before inserting or removing the Micro SD card, disconnect power and wait until the camera stops operating to prevent damage.

Wall Mount

1. Fix the provided iron plate to the wall, mark the positions of holes on the plate, and drill 5.8mm-5.9mm guide holes on the wall according to the positions.
2. Insert the plastic expansion bolts, knock them into the wall with a rubber hammer, and ensure they are tightened.
3. Screw the iron plate to the wall.
4. Attach the camera to the plate.

Packing List

Contact your local dealer if the package is damaged or incomplete. The attachments may vary with models; please see the actual model for details.

No.	Name	Qty	Unit
1	Camera	1	PCS

2	Power adapter	1	PCS
3*	Screw components 1	1	Set
4*	Mount accessory 2	1	Set
5	User manual	1	Set

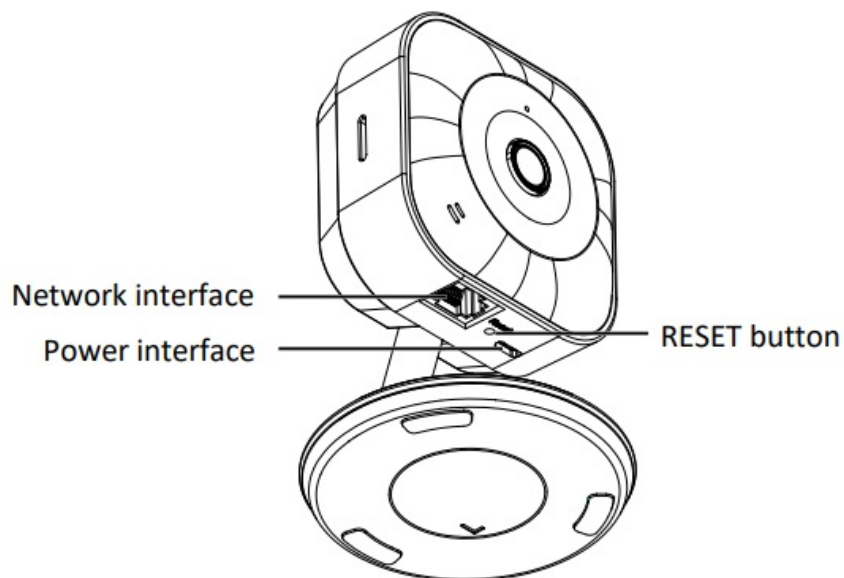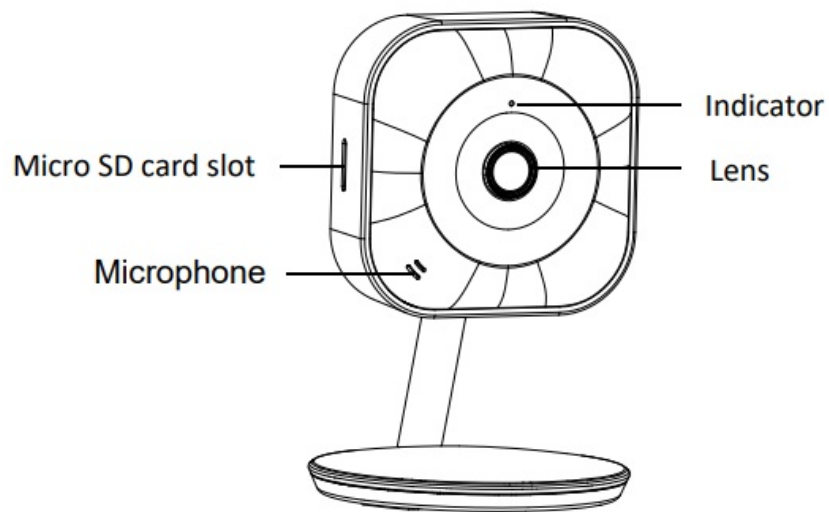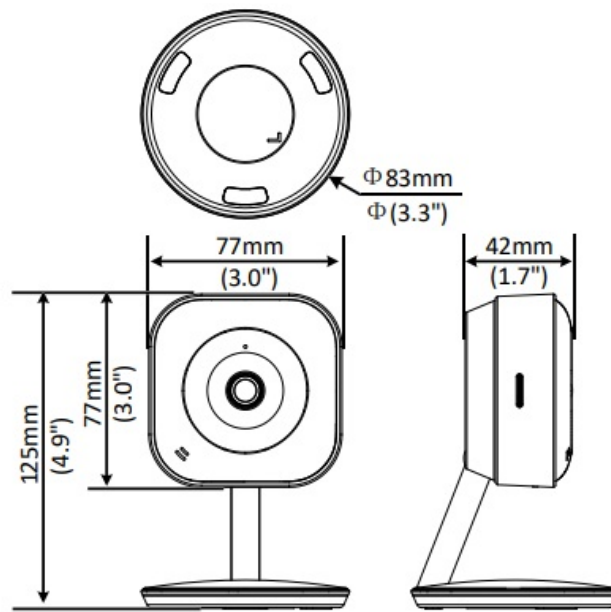**Remarks:** means optional and supplied with certain models only.

1. Including one or more accessories such as screws and a hex key.
2. Including one or more items from the drilling template, bracket adapter, anti-static gloves, etc.
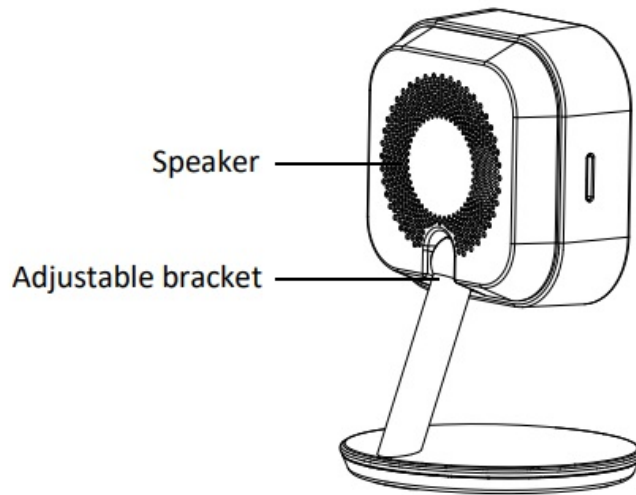
Safety Instructions

- Installation and removal of the unit and its accessories must be carried out by qualified personnel. You must read all of the safety instructions before installation and operation.
- Contact professionals for maintenance information. Do not attempt to dismantle the device by yourself. We shall not assume any responsibility for problems caused by unauthorised repair or 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 centre outward using anti-static gloves or an oil-free cloth.
- If the grease or the stain remains, use anti-static gloves or an oil-free cloth dipped in detergent and clean the glass surface gently until it is clean.
- Do not use organic solvents (such as benzene and alcohol) to clean the transparent dome cover.

Appearance

The following figure shows device dimensions. The appearance may vary with device model.

Φ83mm
Φ(3.3")

77mm
(3.0")

42mm
(1.7")

77mm
(3.0")

125mm
(4.9")

Indicator

Micro SD card slot

Lens

Microphone

Network interface

Power interface

RESET button

- **NOTE!** Use the reset button to restore factory defaults. When the camera is operating, press and hold the reset button for at least 10 seconds, and wait for the camera to restart.
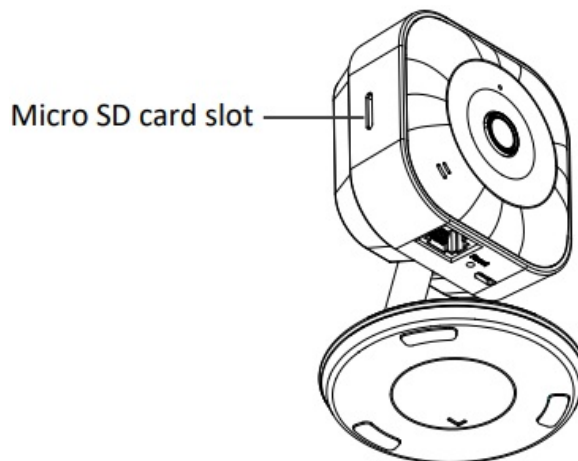- Factory default settings are restored when the camera is restarted.

- **NOTE!** Use the adjustable bracket to adjust the monitoring direction.

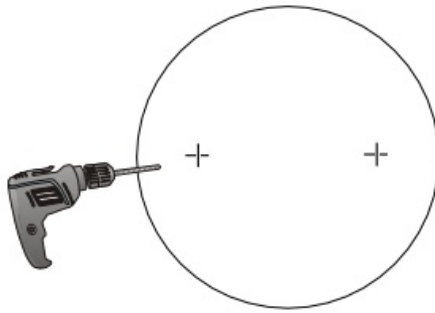## Mount Your Camera

(Optional) Insert the Micro SD Card

- You need to install a Micro SD card first if you want to save video on an on-board SD card. Insert the Micro SD card into the side card slot.
- 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.
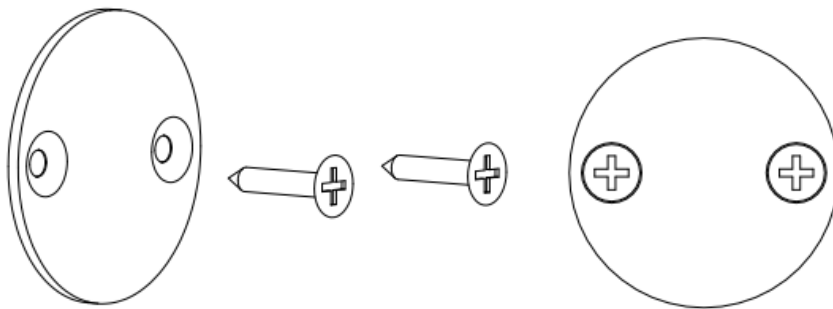

Wall Mount

- The camera base, pre-installed with a magnet, attaches to magnetic surfaces. If wall mounting is adopted, make sure the surface of the wall is flat and clean.
- Fix the iron plate to the wall before mounting the camera. The detailed steps are as follows.
  1. Fix the provided iron plate to the wall, mark the positions of holes on the plate,
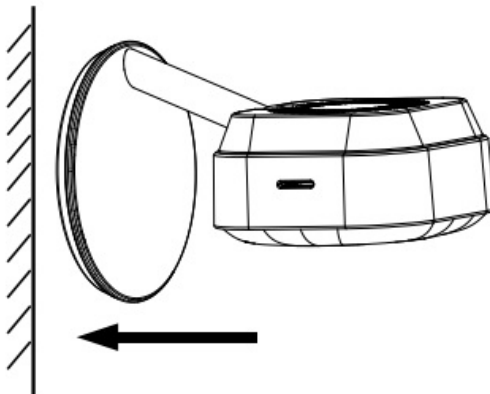
and drill 5.8mm-5.9mm guide holes on the wall according to the positions.

2. Insert the plastic expansion bolts, knock them into the wall with a rubber hammer, and make sure that they are tightened up.

3. Screw the iron plate to the wall.

4. Attach the camera to the plate.

Startup

After you have installed the device, connect one end of the power adapter to the power supply, and then connect the other end to the power interface to start up the device.

Access Your Camera

1. Open your Web browser, enter the camera's IP address in the address bar, and then press Enter. The default IP is 192.168.1.13.

2. In the login page, enter the default username and password (admin/123456), then click Login.

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. 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.
- If the password has been changed, please use the new password to log in.

Optional Wi-Fi Configuration

1. **Download App**
   - Download the app from your app store.
2. **Log In**
   - Run the app, sign up for an account and log in. Use your account to log in if you already have one.
3. **Add Camera**
   - Connect the camera to power and wait till the indicator flashes blue, then configure Wi-Fi settings.
     1. Tap + in the upper right corner, and choose Add Wi-Fi Device.
     2. Choose the camera, and follow the on-screen instructions or voice prompts to complete the device Wi-Fi configuration and add the device. The register code is on the device body or in the user manual.
   - **NOTE!** Before adding the camera, connect your mobile phone to a Wi-Fi network, so that the app fills in the connected Wi-Fi name automatically when configuring device Wi-Fi.
   - If the indicator flashes red (around once every second), it means that the network connection fails. Please press and hold the reset button for 10 seconds until the camera restarts, and then try again.

Indicator Status Description

Status	Indicator
The camera is starting up	Steady red
The camera is ready for Wi-Fi connection	Flashing blue (around once every second)
Wi-Fi connection succeeded	Steady blue

Wi-Fi connection failed	Flashing red (around once every second)
When you press and hold the reset button	Flashing red (around once every second)

- **NOTE!** Configuration guidance is for reference only. The actual app may vary.

Disclaimer and Safety Warnings

Copyright Statement

- No part of this manual may be copied, reproduced, translated or distributed in any form by any means without prior consent in writing from our company (referred to as us hereafter).
- The product described in this manual may contain proprietary software owned by our company and its possible licensors.
- Unless permitted, no one is allowed to copy, distribute, modify, abstract, decompile, disassemble, decrypt, reverse engineer, rent, transfer, or sublicense the software in any form by any means.

Export Compliance Statement

Our company complies with applicable export control laws and regulations worldwide, including those 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, our company asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

Privacy Protection Reminder

- Our company 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, and GPS.
- Please abide by your local laws and regulations while using the product.

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. Our company 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.
- Our company 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.

Disclaimer of Liability

- To the extent allowed by applicable law, in no event will our company be liable for any special, incidental, indirect, or consequential damages, nor any loss of profits, data, or documents.
- The product described in this manual is provided on an "as is" basis. Unless required by applicable law, this manual is only for informational purposes, 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 a virus.
- We strongly recommends that users take all necessary measures to enhance the protection of network, device, data and personal information. Our company 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 our company 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 our company 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 our 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.

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

tochange the default password after your first login and set a strong password of at least ninecharacters 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 our official website or contactyour local dealer for the latest firmware.

The following are recommendations for enhancing the network security of your device:

- **Change password regularly:** Change your device password regularly and keep the password safe. Make sure only the authorised user can log in to the device.
- **Enable HTTPS/SSL:** Use an 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 unauthorised 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 risk 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 that you disable multicast on your network.

- **Check logs:** Check your device logs regularly to detect unauthorised access or abnormal operations.
- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorised physical access.
- **Isolate video surveillance network:** Isolating your video surveillance network from other service networks helps prevent unauthorised access to devices in your security system from other service networks.

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 our company 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 under the requirements before using the device outdoors.

Power Requirements

- Installation and use of the device must be 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) by 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 the battery is used, avoid.
- High or low extreme temperatures during use, storage and transportation;
- Extremely low air pressure, or low air pressure at high altitude.
- 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 the battery with an incorrect type.
- Dispose of a battery in a fire or a hot oven, or by mechanically crushing or cutting a battery.
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.

FCC Statements

Regulatory Compliance

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,

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 B digital device, under 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 under 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 to 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.

RF Radiation Exposure Statement:

- 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.

LVD/EMC Directive

- $C\!\in$ This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU, 2014/53/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 responsibly.

Battery Regulation- (EU) 2023/1542

- The battery in the product complies with the European Battery Regulation (EU) 2023/1542. For proper recycling, return the battery to your supplier or a designated collection point.

Frequently Asked Questions

- **Q: What should I do if my package is damaged or incomplete?**
  - **A:** Contact your local dealer if the package is damaged or incomplete. The attachments may vary with models; please see the actual model for details.
- **Q: How do I restore factory defaults on the camera?**
  - **A:** Use the reset button to restore factory defaults. When the camera is operating, press and hold the reset button for at least 10 seconds, and wait for the camera to restart.
  - Factory default settings are restored when the camera is restarted.

Documents / Resources

Smart Wireless Cube Cameras Quick Guide	[Matrix 0235UNKN Smart Wireless Cube Cameras](#) [[pdf](#)] User Guide 2AVTG-0235UNKN, 2AVTG0235UNKN, 0235UNKN Smart Wireless Cube Cameras, 0235UNKN, Smart Wireless Cube Cameras, Wireless Cube Cameras, Cube Cameras, Cameras

References

- [User Manual](#)

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