



Network Fisheye Camera

Quick Start Guide

UD04395B-C

Quick Start Guide

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Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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For products that do NOT support Wi-Fi or cellular data:

(Marked with a “W”, “GLT”, “GLE”, “GLF”, “GE”, “GT” or “GW” in the Part C of a product model.

Product Model Example: Part A-Part B-Part C. Part C is optional.)

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

FCC compliance: 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.

FCC Conditions

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.

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper

recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

For products that support Wi-Fi or cellular data:

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- 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 should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Conditions

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

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

This device complies with Industry 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'Industrie Canada applicables aux appareils radioexempts 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.



Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into “Warnings” and “Cautions”

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

 Warnings	 Cautions
Warnings Follow these safeguards to prevent serious injury or death.	Cautions Follow these precautions to prevent potential injury or material damage.



Warnings

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket. When the product is mounted on wall or ceiling, the device shall be firmly fixed.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.



Cautions

- CAUTION: Hot parts! Burned fingers when handling the parts.



Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation in a restricted access location, access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers. If cleaning is necessary, use clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, please replace the lens cap to protect the sensor from dirt.
- Do not aim the camera at the sun or extra bright places. Blooming or smearing may occur otherwise (which is not a malfunction), and affect the endurance of sensor at the same time.
- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold (the operating temperature shall be -10°C to $+50^{\circ}\text{C}$), dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for operating environment.
- Keep the camera away from liquid while in use.
- While in delivery, the camera shall be packed in its original packing, or packing of the same texture.
- Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment shall be replaced regularly according to their average enduring time. The average time varies because of differences between operating environment

and using history, so regular checking is recommended for all the users. Please contact with your dealer for more details.

- This equipment is not suitable for use in locations where children are likely to be present.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions

ATTENTION: IL Y A RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UNE BATTERIE DE TYPE INCORRECT. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS

- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any

responsibility for problems caused by unauthorized repair or maintenance.)

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1 Appearance Description

1.1 Overview of Fisheye Camera

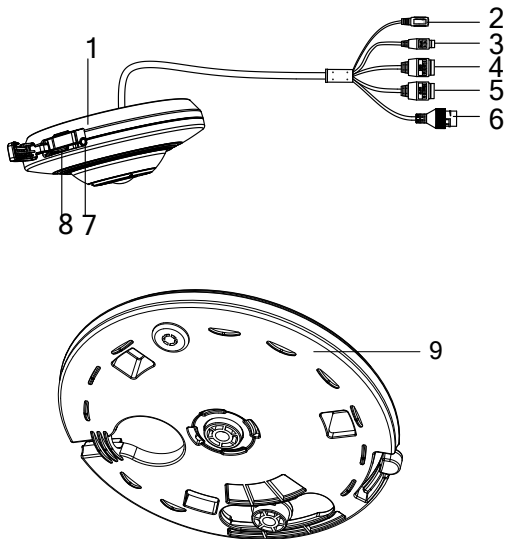


Figure 1-1 Overview of the Fisheye Camera

Table 1-1 Description of Overview

No.	Description
1	Camera Body
2	Power Interface
3	RS-485 Interface
4	Audio Interfaces: Audio In / Audio Out (Certain models support.)
5	Alarm Interfaces: Alarm In / Alarm Out (Certain models support.)
6	Ethernet Interface
7	Reset Button
8	Memory Card Slot
9	Base Plate

Notes:

- The figures shown in this manual are for reference only. The appearance and interfaces of the camera are subject to the actual model.
- Press RESET about 10s when the camera is powering on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

2 Installation

Before you start:

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The standard power supply is 12V DC or PoE (802.3af), please make sure your power supply matches with your camera.
- Make sure all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket.

For the camera that supports IR, you are required to pay attention to the following precautions to prevent IR reflection:

- Dust or grease on the dome cover will cause IR reflection. Please do not remove the dome cover film until the installation is finished. If there is dust or grease on the dome cover, clean the dome cover with clean soft cloth and isopropyl alcohol.
- Make sure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.
- The foam ring around the lens must be seated flush against the inner surface of the bubble to isolate the lens from the IR LEDs. Fasten the dome cover to camera body so that the foam ring and the dome cover are attached seamlessly.

2.1 Installing the Memory Card

Steps:

1. Move the Memory Card/Reset Cover aside, and you can see the reset button and the memory card slot.
2. Insert the memory card into the memory card slot.
3. Re-cover the reset button and memory card slot.

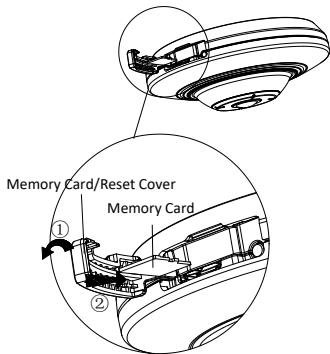


Figure 2-1 Install the Memory Card

2.2 Ceiling Mounting

Steps:

1. Drill two screw holes and the cable hole according to the supplied drill template.

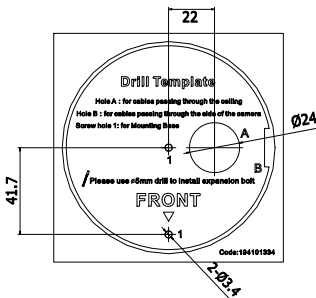


Figure 2-2 Drill Template

2. Align the screw holes and cable hole on the drill template and the base plate, and then fix the base plate to the ceiling with the two supplied screws.

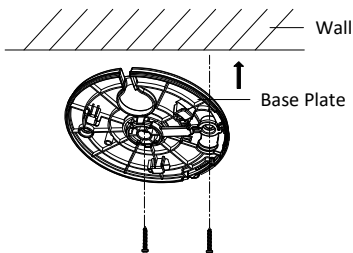


Figure 2-3 Fix the Base Plate

Notes:

- For cement wall, you need to use the expansion screw to fix the mount.
 - For wooden wall, you can just use the self-tapping screw to fix the mount.
3. Route the cables through the cable hole or the side opening according to the actual needs, and connect the corresponding cables including power cable, network cable, audio and alarm cables, etc.
 4. Align the triangle mark on the camera and base plate, and then rotate the camera clockwise until it is locked up by the three bayonet joints on the base plate.

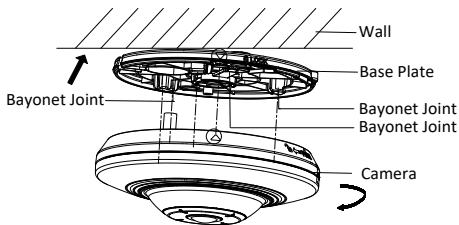


Figure 2-4 Install the Camera

5. To disassemble the camera: Press the **Push** button on the base plate, rotate the camera anticlockwise, and then you can remove the camera from the base plate.

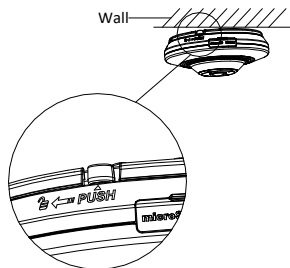


Figure 2-5 Disassemble the Camera

6. To adjust the view angle: Rotate the camera body clockwise or anticlockwise with the base plate, and then you can adjust the camera to the desired view angle.

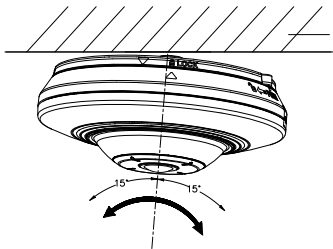


Figure 2-6 Adjust View Angle

2.3 Wall Mounting with a Slant Mounting Base

Before you start:

The wall mounting with a slant mounting base provides a wider view compared to the wall mounting.

You need to purchase a slant mounting base separately if this mounting method is selected.

Steps:

1. Drill two screw holes and the cable hole according to the supplied drill template.

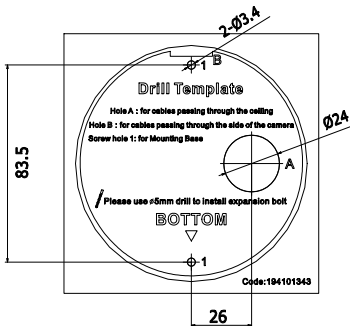


Figure 2-7 Drill Template

2. Fix the slant mounting base to the wall with the screws.

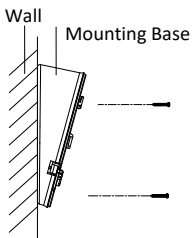


Figure 2-8 Fix the Slant Mounting Base

3. Align the screw holes on the slant mounting base and the base plate, and then secure the base plate on the slant mounting base with the two supplied screws.
4. Route the cables through the cable hole or the side opening according to the actual needs, and connect the corresponding cables including power cable, network cable, audio and alarm cables, etc.
5. Align the triangle mark on the camera and mounting base, and then rotate the camera clockwise until it is locked up.

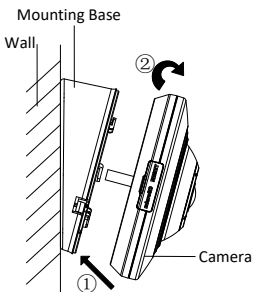


Figure 2-9 Fix the Camera

6. The installation is complete.

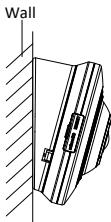


Figure 2-10 Complete the Installation

7. To disassemble the camera: Press the **Push** button on the base plate, rotate the camera anticlockwise, and then you can remove the camera from the base plate.

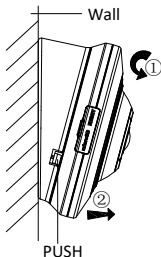


Figure 2-11 Disassemble the Camera

2.4 Wall Mounting with a Bracket

Before you start:

You need to purchase the bracket separately if this mounting method is selected.

Steps:

1. Unfasten and remove the screw marked in the figure, and then disassemble the bracket.

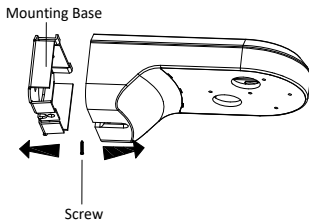


Figure 2-12 Disassemble the Bracket

2. Align the screw holes on the bracket and the base plate, and then secure the base plate on the bracket with the two supplied screws.

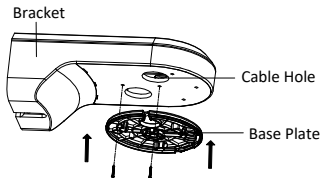


Figure 2-13 Secure the Base Plate

3. Route the cables through the cable hole according to the actual needs, and connect the corresponding cables including power cable, network cable, audio and alarm cables, etc.
4. Align the triangle mark on the camera and base plate, and then rotate the camera clockwise until it is locked up by the three bayonet joints on the base plate.

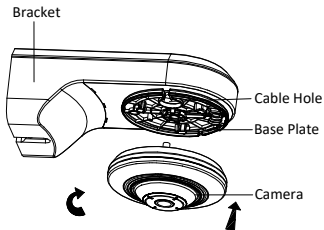


Figure 2-14 Fix the Camera

5. Fix the mounting base to the wall with the screws.

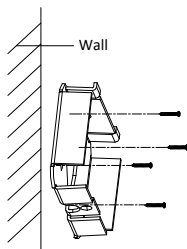


Figure 2-15 Fix the Mounting Base

6. Re-install the main body of the bracket to the mounting base, and fix it with the screw.

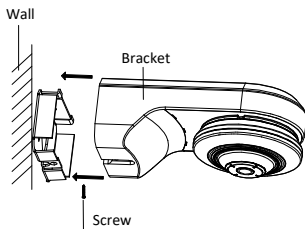


Figure 2-16 Re-install the Bracket

7. To disassemble the camera, refer to the *Step 5 in Section 2.1*.
8. To adjust the view angle, refer to the *Step 6 in Section 2.1*.

2.5 Pendant Mounting with a Bracket

Before you start:

You have to purchase the bracket separately if this mounting method is selected.

Steps:

1. Fix the pendant bracket to the wall with the supplied screws.

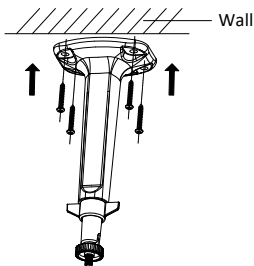


Figure 2-17 Fix the Bracket

2. Aim the screwed hole on the camera at the top of the pendant bracket, and then rotate the camera until it is secured tightly.

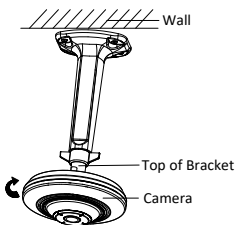


Figure 2-18 Secure the Camera

3. Loosen the knob on the bracket and adjust the camera body to get the desired viewing angle. Tighten the knob on bracket to secure the camera.

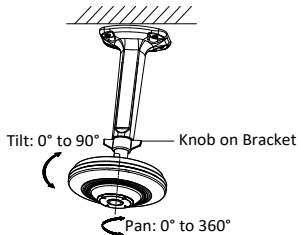


Figure 2-19 Adjust the Angle

3 Activate and Access Network Camera

Scan the QR code to get *Activate and Access Network Camera*. Note that mobile data charges may apply if Wi-Fi is unavailable.





See Far, Go Further