



VISIX 360 Network Camera

Hardware Installation Manual

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

This manual applies to **VX-3M-360-IAWD6, VX-6M-360-IA6, VX-3M-360-IAWD, VX-6M-360-IA** network fisheye camera.

This manual may contain technical inaccuracies or printing errors. The content is subject to change without notice. The manual will be amended if there are any hardware updates or changes.

DISCLAIMER STATEMENT

“Underwriters Laboratories Inc. (“UL”) has not tested the performance or reliability of the security or signaling aspects of this product. UL has only tested for fire, shock or casualty hazards as outlined in UL’s Standard(s) for Safety, UL60950-1. UL Certification does not cover the performance or reliability of the security or signaling aspects of this product. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY SECURITY OR SIGNALING RELATED FUNCTIONS OF THIS PRODUCT.”

Regulatory Information

FCC Information

FCC compliance: This equipment has been tested and found to comply with the limits for 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.

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 Low Voltage Directive 2006/95/EC, the EMC Directive 2004/108/EC, 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.



Safety Instruction

These instructions are intended to ensure that the 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 be caused if any of these warnings are neglected.

Cautions: Injury or equipment damage may be caused if any of these cautions are neglected.

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



Warnings:

- Please adopt the power adapter which can meet the safety extra low voltage (SELV) standard. And source with 12 VDC or 24 VAC (depending on models) according to the IEC60950-1 and Limited Power Source standard.
- 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.)
- To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture.
- This installation should be made by a qualified service person and should conform to all the local codes.
- Please install blackouts equipment into the power supply circuit for convenient supply interruption.
- Please make sure that the ceiling can support more than 50(N) Newton gravities if the camera is fixed to the ceiling.
- 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.)

**Cautions:**

- 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 a clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period of time, put on the lens cap to protect the sensor from dirt.
- Do not aim the camera lens at the strong light such as sun or incandescent lamp. The strong light can cause fatal damage to the camera.
- The sensor may be burned out by a laser beam, so when any laser equipment is being used, make sure that the surface of the sensor not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold temperatures (the operating temperature should be between -30°C ~ 60°C, or -40°C ~ 60°C if the camera model has an “H” in its suffix), dusty or damp environment, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for a proper operating environment.
- Keep the camera away from water and any liquid.
- While shipping, the camera should be packed in its original packing.
- Improper use or replacement of the battery may result in hazard of explosion. Please use the manufacturer recommended battery type.

Notes:

For cameras 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 certain the installation location does not have reflective surfaces of objects too close to the camera. 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.

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1 Appearance Description

1.1 Overview of Fisheye Camera

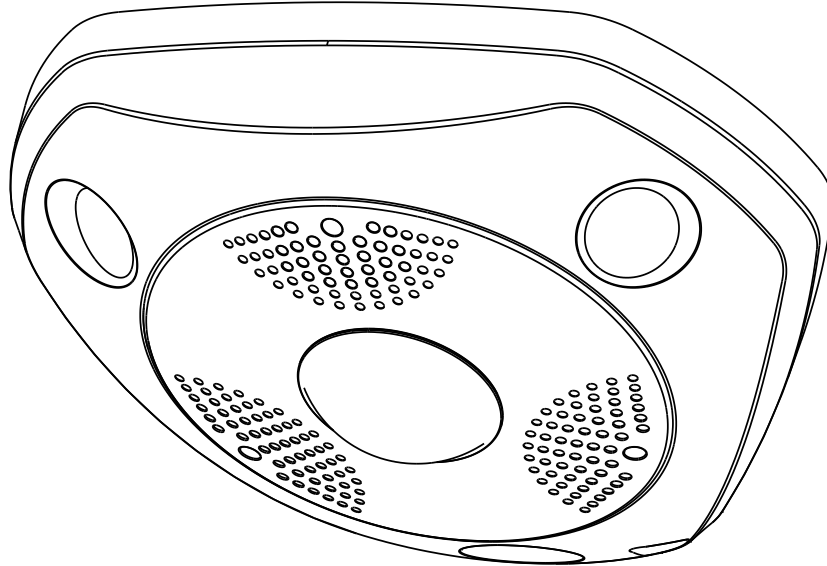


Figure 1-1 Overview of the Fisheye Camera

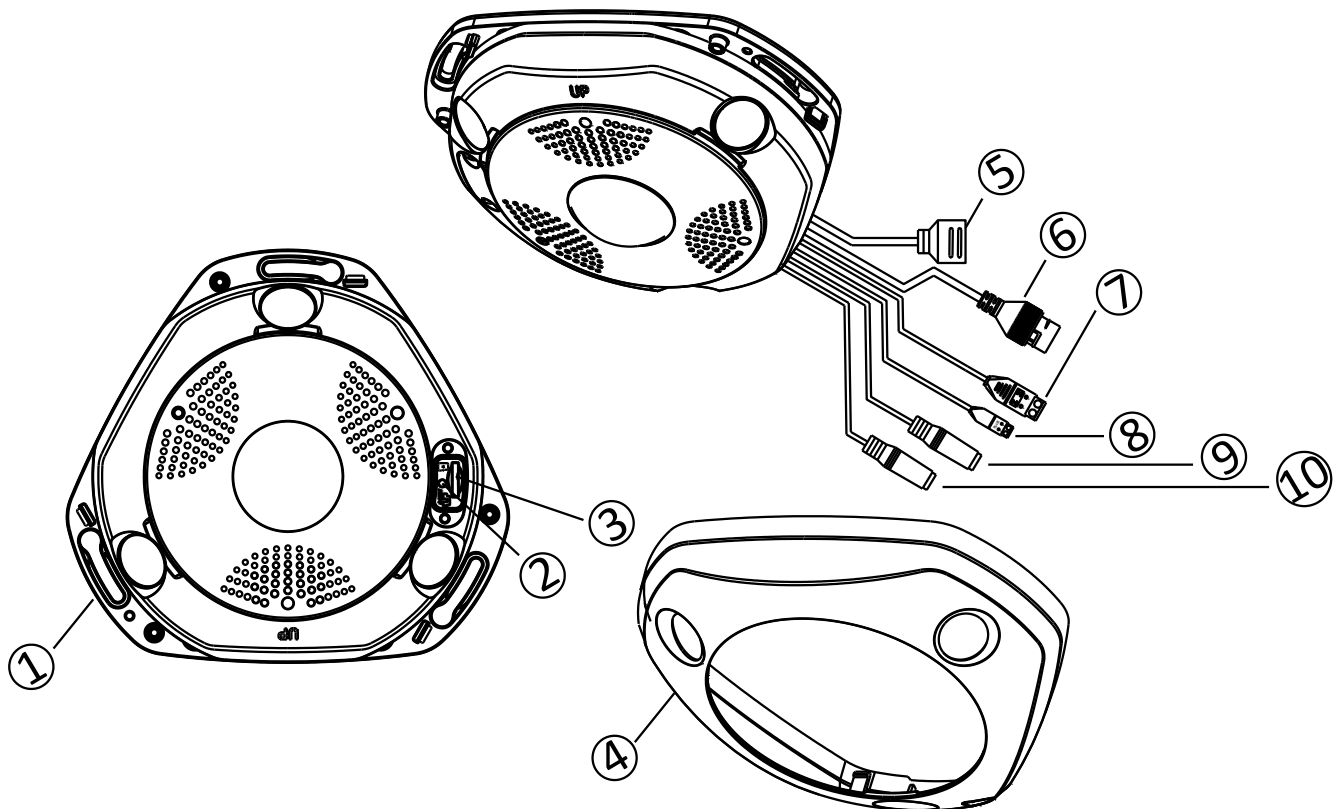


Figure 1-2 Disassemble of Fisheye Camera

Table 1-1 Description of Overview

No.	Description	No.	Description
1	Camera Body	6	Ethernet Interface
2	Reset	7	RS-485 Interface
3	Micro SD Card Slot	8	Power Interface
4	Camera Cover	9	Audio In
5	Alarm Interfaces	10	Audio Out

1.2 Disassembling the Camera

Steps:

1. Loosen the lock screw on the camera cover.
2. Remove the camera cover, and you can see the oval dismountable sheet.
3. Loosen the two screws on the dismountable part.
4. Move the oval sheet aside, and you can see the reset button and the micro SD card slot.

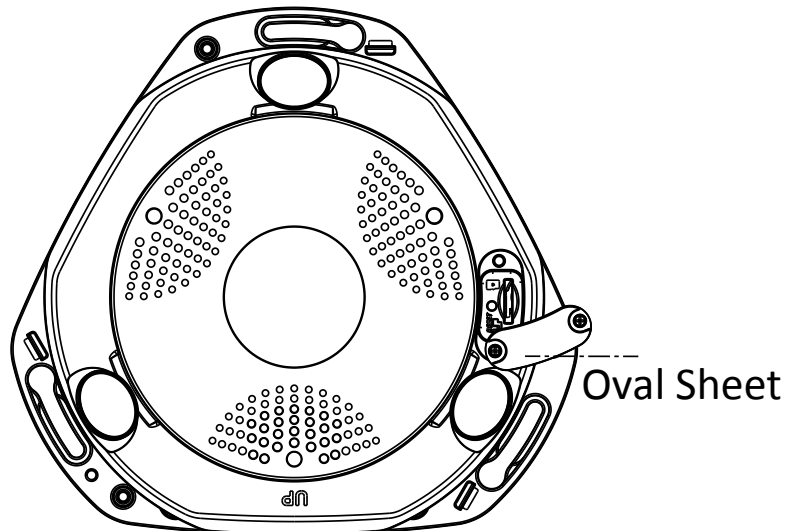


Figure 1-3 Move the Oval Sheet Aside



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.
- Make sure all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Make sure the power supply is matched with your required voltage to avoid damage.
- If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the camera for repair or maintenance by yourself.
- Make sure that the wall is strong enough to withstand three times the weight of the camera.



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 Ceiling Mounting

Steps:

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

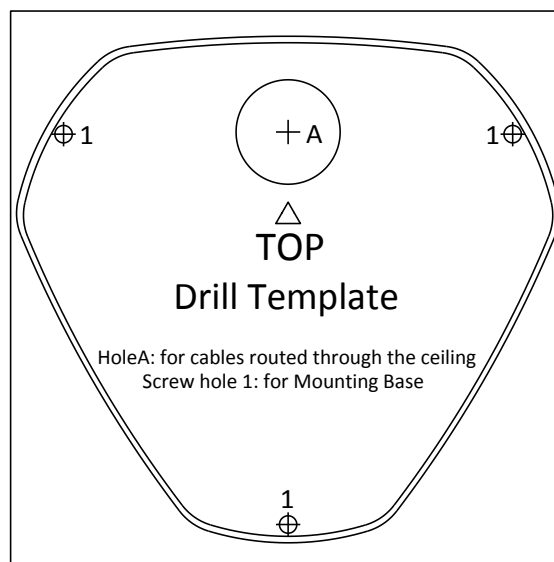


Figure 2-1 Drill Template

2. Fix the three supplied screws half-deep to the ceiling, leaving enough space to hook the camera body.

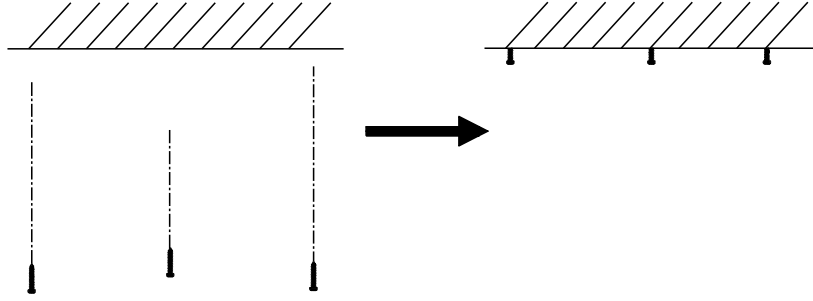


Figure 2-2 Fix the Screws

3. Connect the corresponding power cable, network cable, audio and alarm cables.
4. Align the screw holes to the inserted screws, hook the camera body to the screws, and route the camera body to secure the camera with the screws.
5. Hammer the half-deep screws into the ceiling totally.
6. Install the camera cover to the camera body, and fix them by tightening the lock screw on the camera cover.

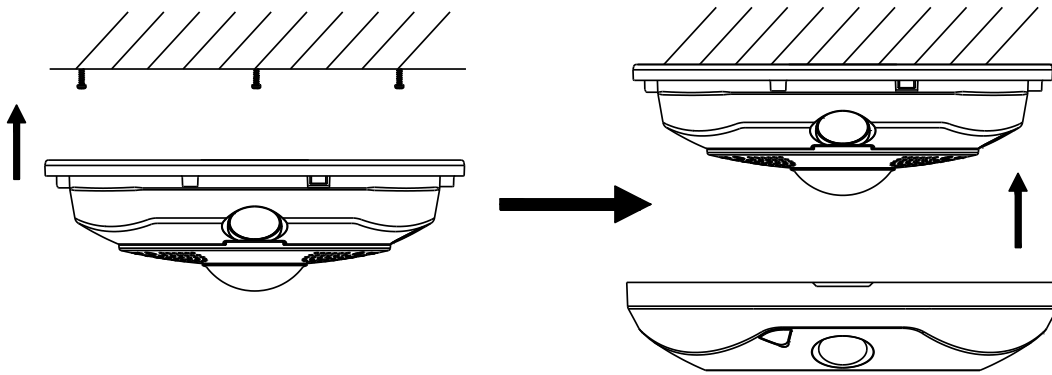


Figure 2-3 Install the Camera

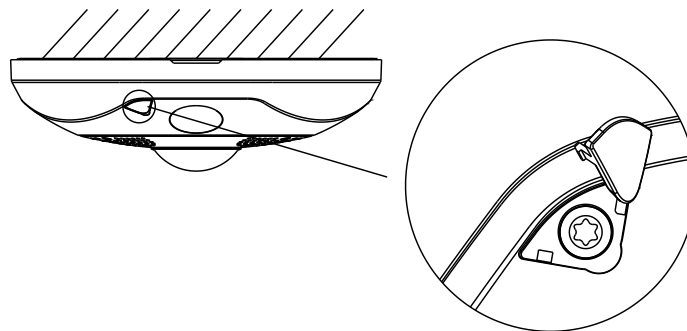


Figure 2-4 Tighten the Lock Screw on the Camera Cover

Figure 2-5

2.2 Wall/Ceiling Mounting with a Slant Mounting Base (Product #: VX-ISM-360)

The wall/ceiling mounting with a slant mounting base provides a wider surveillance view compared to the wall mounting (when positioned correctly). You need to purchase a slant mounting base separately if this mounting method is selected.

3xLOGIC Product Number: VX-ISM-360

Steps:

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

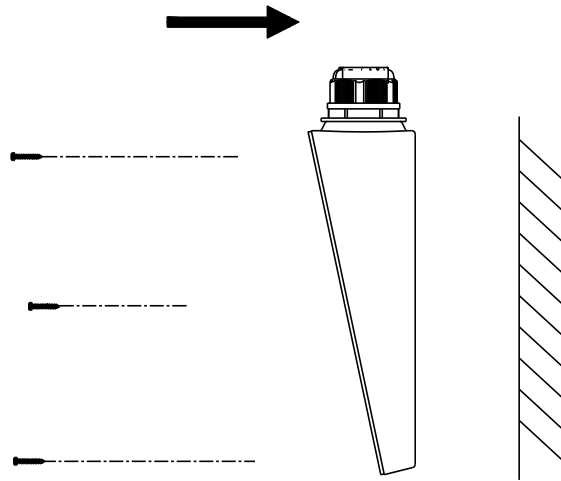


Figure 2-6 Fix the Slant Mounting Base

2. Screw the three screws half-deep to the mounting base.

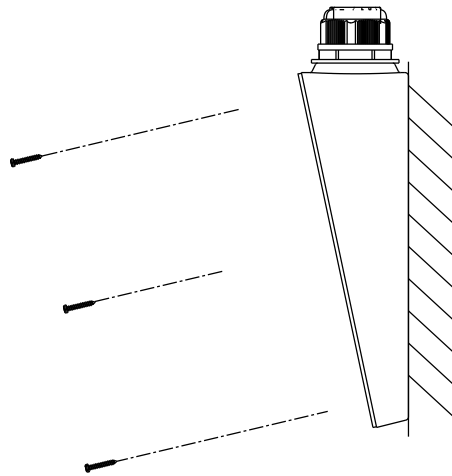


Figure 2-7 Hammer the Screws

1. Connect the corresponding power cable, network cable, audio and alarm cables.
2. Align the screw holes to the inserted screws, hook the camera body to the screws, and route the camera body to secure the camera with the screws.
3. Screw the half-deep screws into the wall totally.
4. Install the camera cover to the camera body, and fix them by tightening the lock screw on the camera cover.

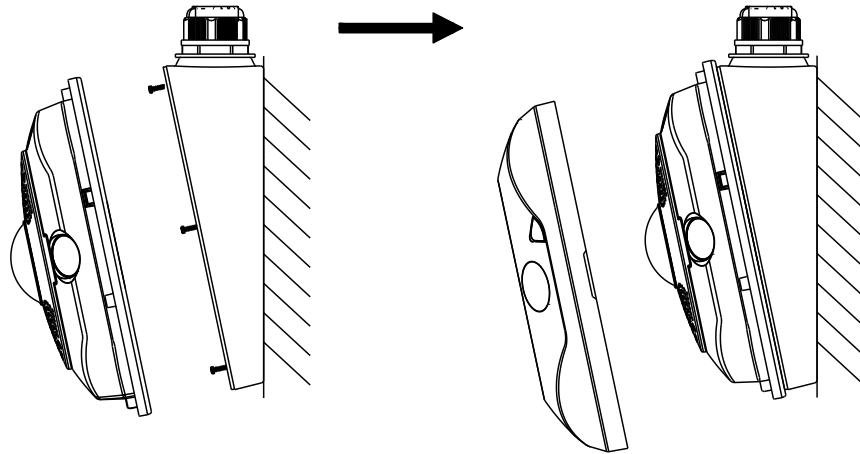


Figure 2-8 Install the Camera Body and Cover

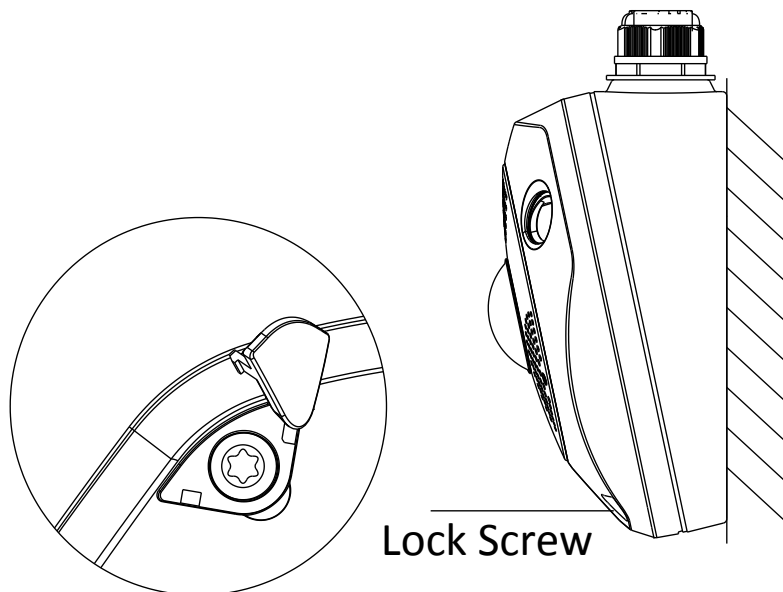


Figure 2-9 Tighten the Lock Screw on the Camera Cover

2.3 Wall Mounting with a Junction Box (Product #: VX-SMJ-360)



You have to purchase a junction box separately if this mounting method is selected.

3xLOGIC Product Number: VX-SMJ-360

Steps:

1. Fix the junction box to the wall with screws.

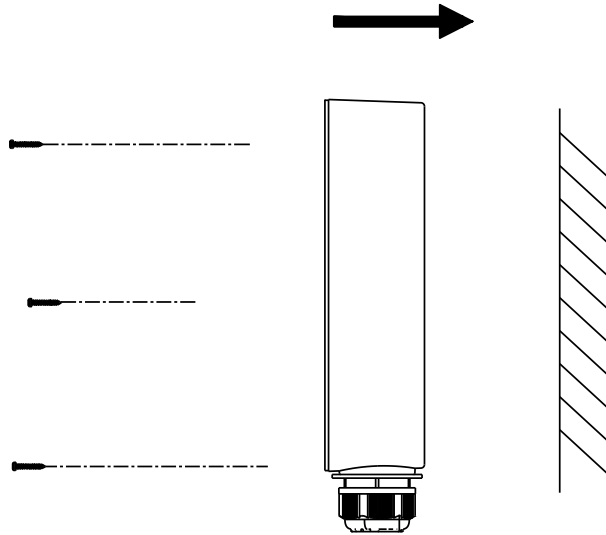


Figure 2-10 Fix the Junction Box

2. Screw the three supplied screws half-deep to the junction box.
3. Connect the corresponding power cable, network cable, audio and alarm cables.
4. Align the screw holes to the inserted screws, hook the camera body to the screws, and route the camera body to secure the camera with the screws.
5. Screw the half-deep screws into the wall totally.
6. Install the camera cover to the camera body, and fix them by tightening the screw on the camera cover.

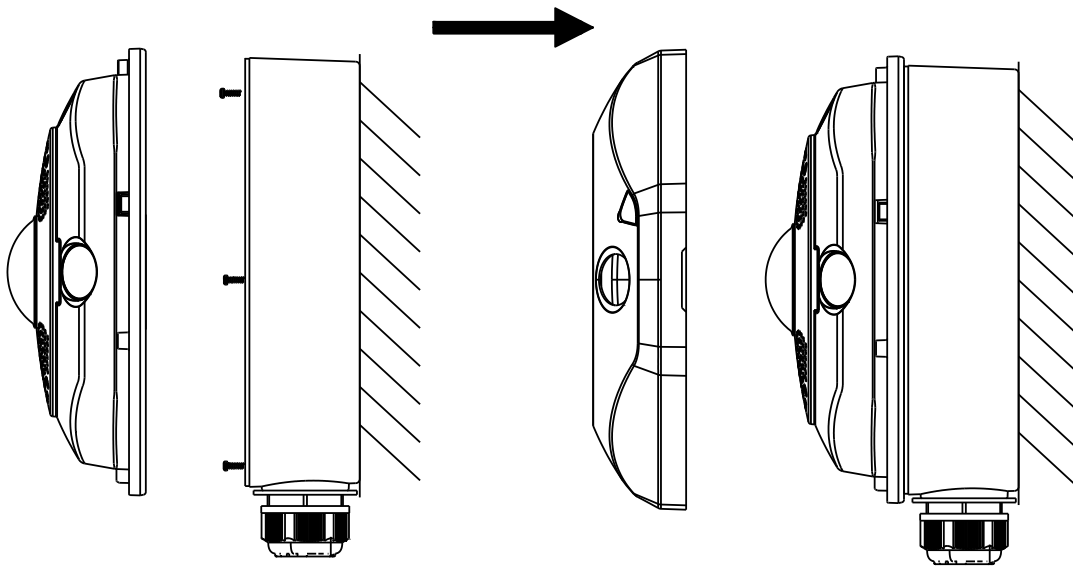


Figure 2-11 Install the Camera Body and Cover

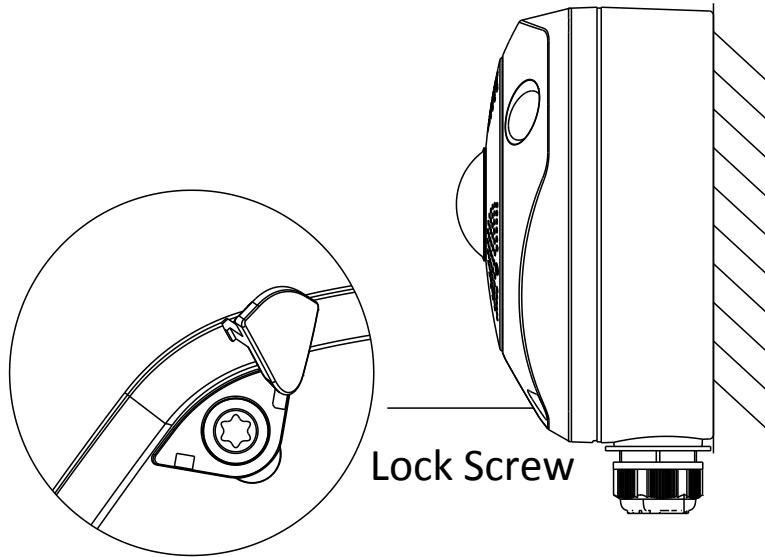


Figure 2-12 Tighten the Lock Screw on the Camera Cover

2.4 Wall Mounting with a Bracket (Product #: VX-WM-360)



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

3xLOGIC Product Number: VX-WM-360

1. Install the bracket to the wall.
2. Install the mounting base to the bracket.
3. Screw the three supplied screws half-deep to the mounting base.

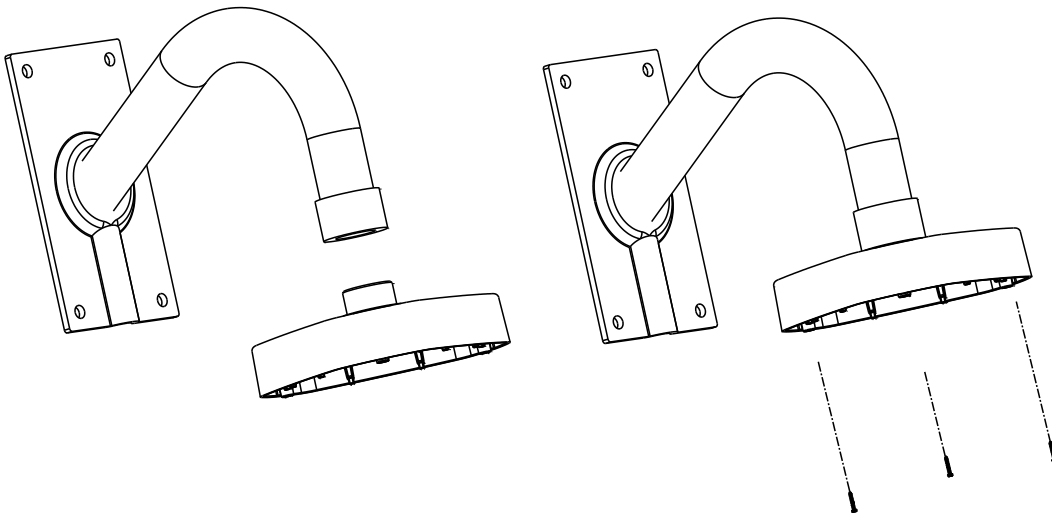


Figure 2-13 Install the Bracket

1. Connect the corresponding power cable, network cable, audio and alarm cables.
2. Align the screw holes to the inserted screws, hook the camera body to the screws, and route the camera body to secure the camera with the screws.

3. Screw the half-deep screws into the mounting base totally.
4. Install the camera cover to the camera body, and fix them by tightening the screw on the camera cover.

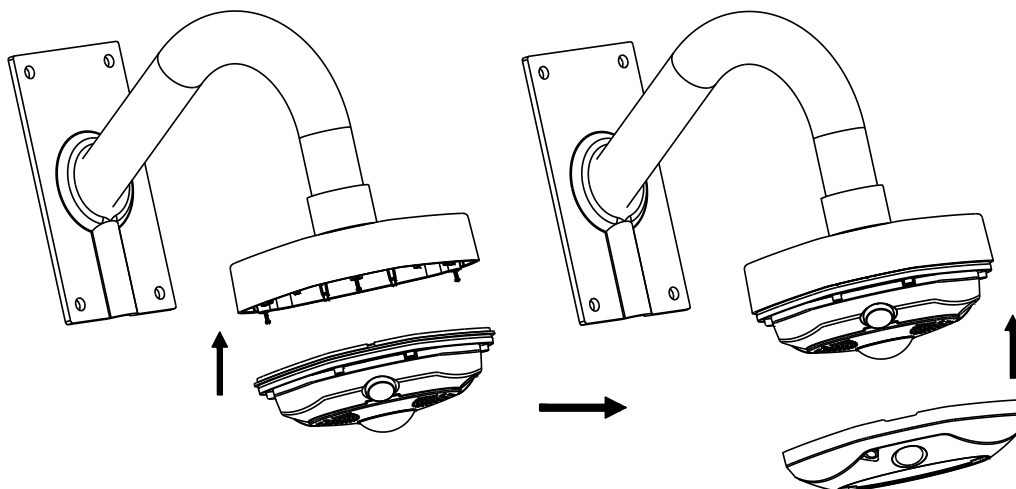


Figure 2-14 Install the Camera Body and Cover

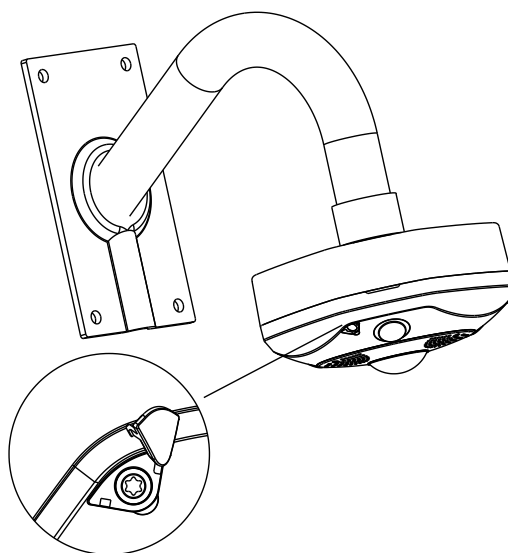


Figure 2-15 Tighten the Screw on the Camera Cover