



Datasheet



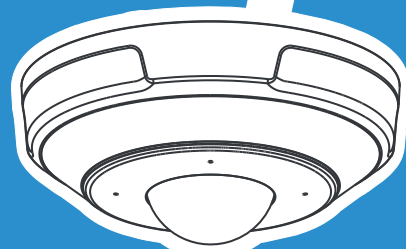
User Manual



Smart Tools

QUICK START GUIDE

OpenVision Fisheye Network Camera



Milesight | *Make Sensing Matter*

 Milesight IoT Co., Ltd.  www.milesight.com/security

Limited Warranty Protection

60 months from original purchase date against all manufacturing defects.

This Warranty does not cover:

- Loss or damage to the equipment due to improper maintenance, or failure to follow operating instructions.
- If defects or damages are caused by the use of unauthorized parts or by service by other than our authorized agent.

Model:

Date of Purchase:

Serial Number:

MAC Address:

Dealer Stamp

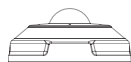
For details, please visit our website:

www.milesight.com/security

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1. Package Contents



Network Camera x 1


Mounting
Plate x 1

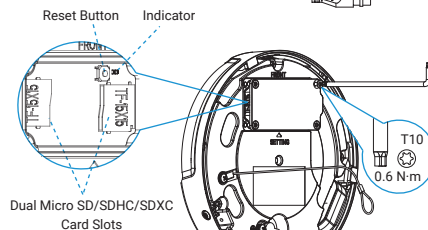
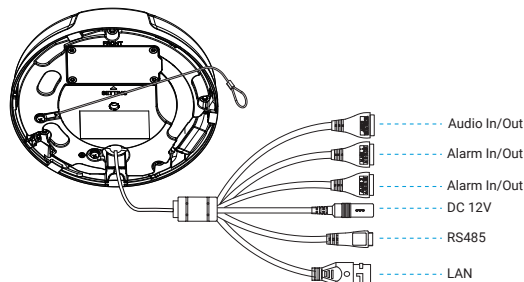
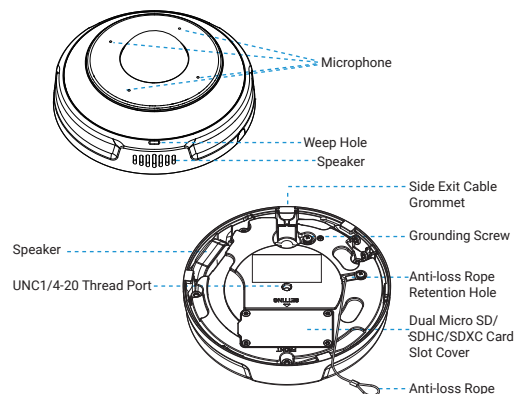
L-shaped
Wrench x 1


Screw Kit x 1

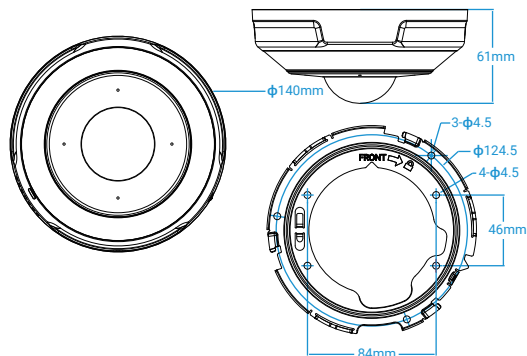

Waterproof
Connector x 1

Quick Start
Guide x 1

2. Hardware Overview



3. Dimensions



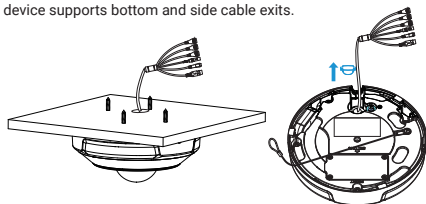
4. Installation Steps

1. Before installation, insert the SD card.

Note: We strongly recommend using an SD card with a rating of A2 or higher.

2. This device supports ceiling mount, pendant mount, pedestal mount, wall mount, and installation with a junction box.

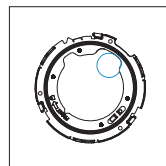
3. This device supports bottom and side cable exits.



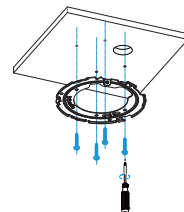
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Ceiling Mount Installation

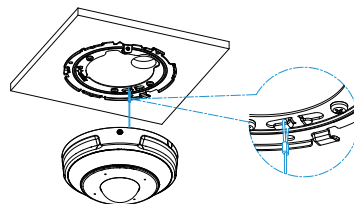
Step 1: Drill a cable hole and matching screw holes on the ceiling as illustrated. The cable hole should be at least 30 mm in diameter.



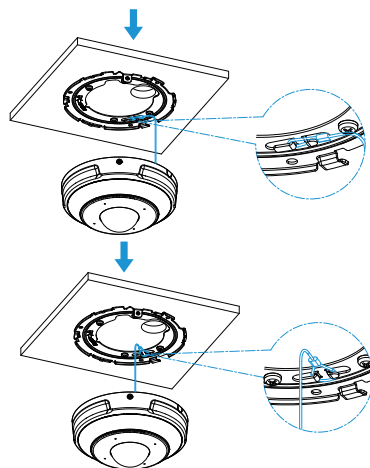
Step 2: Use screws to secure the mounting plate to the ceiling at the camera's intended installation location.



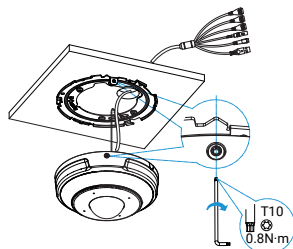
Step 3: Fit the rope over the larger and smaller ends of the plate in sequence, then rotate it to make the knot face inward.



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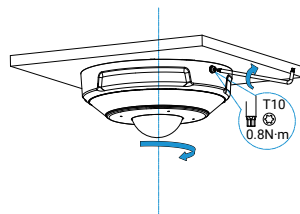


Step 4: Connect all cables, attach the camera to the mounting plate, and rotate the camera clockwise until the locking screw holes align.



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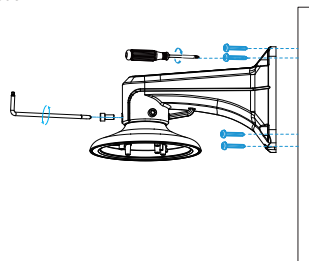
Step 5: Once aligned, tighten the setscrew to complete the locking process.



Note: To enable Sound Assisted Location, the device should be installed at least 2 meters away from walls (for ceiling mount and pedestal mount).

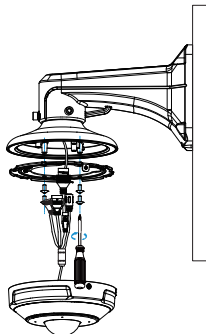
Wall Mount Installation (A72-V2)

Step 1: Use screws to secure the bracket to the wall at the camera's intended installation location.

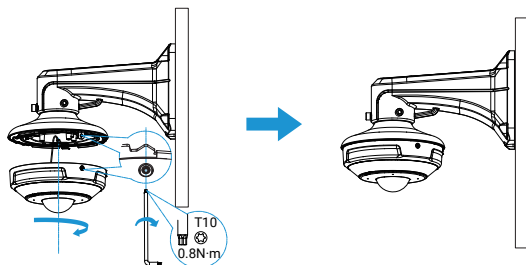


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Step 2: Refer to Step 3 in Ceiling Mount Installation for instructions on installing the anti-loss rope. Connect all cables, attach the mounting plate and camera to the bracket in sequence, then rotate the camera clockwise until the locking screw holes align.

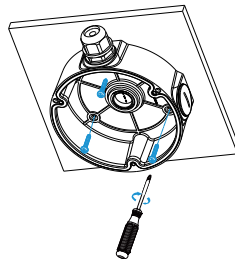


Step 3: Once aligned, tighten the setscrew to complete the locking process.

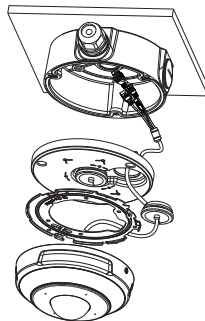


Junction Box Installation (A83-V2)

Step 1: Use screws to secure the junction box body to the intended installation location.



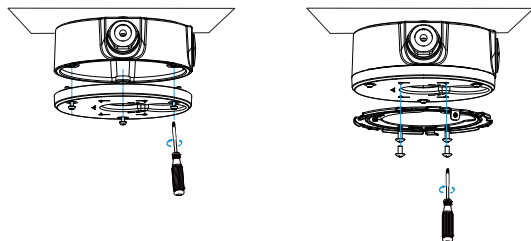
Step 2: Refer to Step 3 in Ceiling Mount Installation for instructions on installing the anti-loss rope. Route camera cables through the mounting plate and junction box cover and complete wiring inside the junction box.



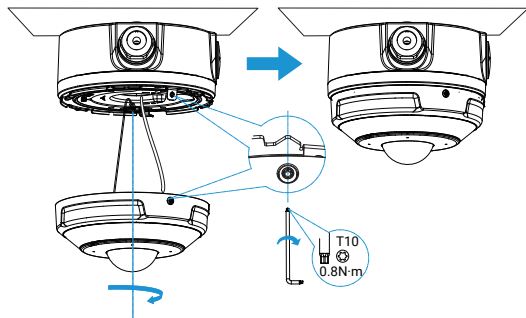
Note: Install the upper cover of the cable box only for waterproof scenarios.

Step 3: Secure the junction box cover.

Step 4: Secure the mounting plate.

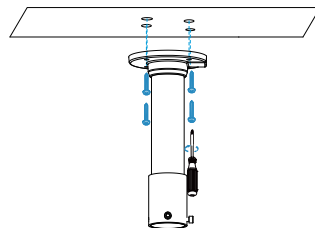


Step 5: Attach the camera to the mounting plate and rotate the camera clockwise until the locking screw holes align. Once aligned, tighten the setscrew to complete the locking process.

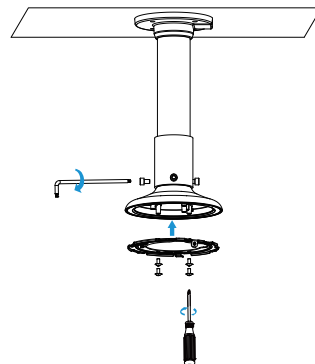


Pendant Mount Installation (A76-V2)

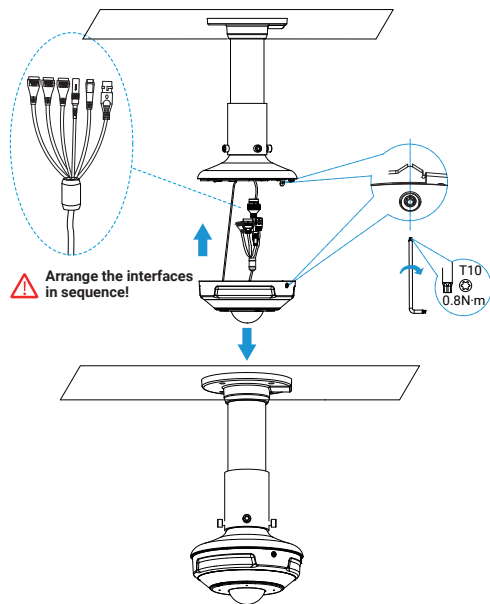
Step 1: Use the pendant head to mark the hole positions, drill 4 holes in the ceiling, and fasten the screws.



Step 2: Secure the mounting adapter using the pendant base, then install the mounting plate.

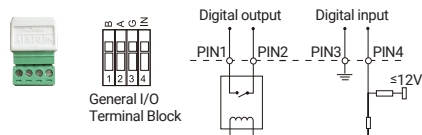


Step 3: Refer to Step 3 in Ceiling Mount Installation for instructions on installing the anti-loss rope. Connect all cables, attach the camera to the mounting plate, and rotate the camera clockwise until the locking screw holes align. Once aligned, tighten the setscrew to complete the locking process.



Note: The bottom of the camera may heat up after long-term operation. Avoid touching the bottom when handling the device.

5. How to Connect to Alarm Interface



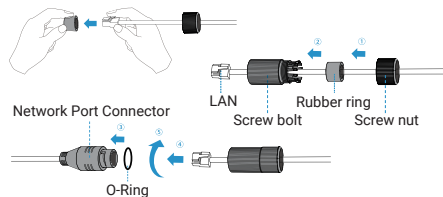
PIN1: Alarm Output NC/NO 24V DC 1A

PIN2: Alarm Output NC/NO 24V DC 1A

PIN3: Alarm Input NC/NO ≤ 12V

PIN4: Alarm Input NC/NO ≤ 12V

6. How to Connect the Waterproof Connector



Step 1: Get the network cable through the screw nut, rubber ring and the screw bolt;

Step 2: Insert the rubber ring into the screw bolt;

Step 3: Connect the screw nut to the screw bolt;

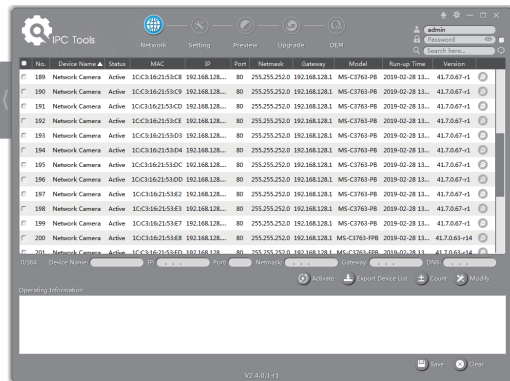
Step 4: Place the O-Ring on the network port connector;

Step 5: Connect the RJ45 to the network port connector, tighten the screw bolt and the connector.

Note: Please wrap all cable interfaces tightly with adhesive tape to prevent water ingress.

7. Assigning an IP Address by Using Smart Tools

Smart Tools is software that automatically detects multiple Mileight network cameras online in the LAN, configures their IP addresses, and manages firmware upgrades. It is recommended for assigning IP addresses to multiple cameras.



The procedure to change the IP address of cameras is as follows:

- (1) Start Smart Tools and open the IPC Tools page. Enter the device information (IP address, MAC address, port number, netmask, and gateway). The software will then automatically display all Mileight network cameras detected on the same network.
 - (2) Select one or more cameras according to the MAC addresses.
 - (3) Click **Activate** to set a password when using the camera for the first time. Then configure three security questions. (If you forget the password, you can reset it by answering the security questions correctly.)
 - (4) Enter your configured username and password, modify the IP address or other network parameters, and click **Modify**.
 - (5) Double-click the selected camera or its browser icon to access the camera directly via the web browser.
- For more information on using Smart Tools, please refer to the *Smart Tools User Manual*.

8. Assigning an IP Address via Browser

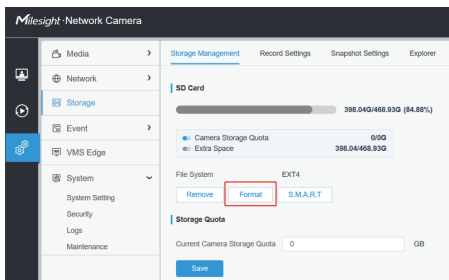
If the PC and the camera are on different network segments, please add an IP address in the 192.168.5.xx (255.255.255.0) range to your PC to access the cameras.

9. Accessing from the Web Browser

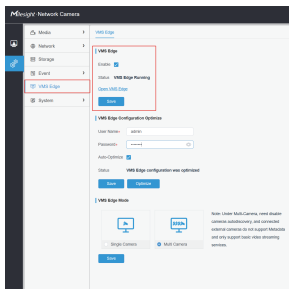
The camera is compatible with most standard operating systems and web browsers. Recommended browsers include Internet Explorer, Firefox, Chrome, and Safari. For details on how to install plugins, you can visit <https://support.mileight.com>, choose **Solutions**, and enter **Plugin-Free Mode & Mplayer Plugin** in the search box. You can also scan the QR code below for more information.



After accessing the camera web page, navigate to Settings > Storage > Storage Management to format the SD card.



Navigate to VMS Edge and enable it. The status will change to 'VMS Edge Running', indicating that the Nx Server is enabled.



Note: For further Nx Witness configuration, please refer to the *Operation Guide - How to Set Up Nx Embedded Camera*.

10. FCC Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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.

FCC 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 minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

产品型号	360°鱼眼	版本	V2.0
名称	英文版手册	料号	43.005.000345
比例	1:1	单位	mm
IQC检验尺寸	①②③....		
尺寸	☐ 63x63mm	公差等级	☐ GBT1804-f
	☐ 84x84mm		☒ GBT1804-m
	☒ 120x85mm		☐ GBT1804-c
	☐ 其他		☐ GBT1804-v
材质	☐ 80g双胶纸		
	☒ 200g铜版纸+80g双胶纸		

文档类型/相关技术要求

技术要求：

- 1.封面覆哑膜（翻页）；
- 2.手册不允许有明显的损坏和污迹，印刷内容需位置准确且清晰；
- 3.手册不应存在拼接部分，不应有多余的压痕线。

版本	设变人员/日期	设变描述
V1.0		新订
V2.0	张恒韬/20260515	文案更新
V3.0	胡晓琴/20260730	文案更新
设计/日期	张恒韬/20260515	样品确认/日期
审核/日期		批准/日期