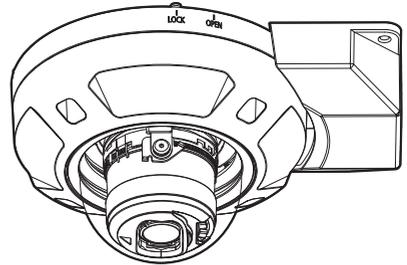# ⋮⋮i·PRO

**microSDXC™**

# Installation Guide

| Included Installation Instructions |

---

## Network Camera  | For professional use only |  | Outdoor use |

**Model No.**
# WV-S25700-V2L
# WV-S25600-V2L
# WV-S25500-V3L
# WV-S25500-F6L
# WV-S25500-F3L

**WV-S25700-V2L**

---

## About the user manuals
**Product documentation is composed of the following documents.**
- **Installation Guide (this document):** Provides information about "Precautions", "Precautions for installation" and the installation method.
- **Basic Information (in the following manual website):** Provides information about "Precautions for use", "Parts and functions" and "Detail specifications".
- **Operating Instructions (in the following manual website):** Explains how to perform the settings and how to operate this camera.
https://i-pro.com/products_and_solutions/en/surveillance/documentation-database

"<Control No.: C****>" used in these documents should be used to search for information on our technical information website (https://i-pro.com/products_and_solutions/en/surveillance/learning-and-support/knowledge-base/technical-information) and will guide you to the right information.

- Before attempting to connect or operate this product, please read these instructions carefully and save Important Safety Instructions leaflet for future use.
- microSDXC/ microSDHC/ microSD memory card is described as microSD memory card.
- The external appearance and other parts shown in this manual may differ from the actual product within the scope that will not interfere with normal use due to improvement of the product.

# i-PRO Co., Ltd.

Tokyo, Japan
https://www.i-pro.com/

Authorised Representative in EU:
i-PRO EMEA B.V.
Laarderhoogtweg 25, 1101 EB
Amsterdam, Netherlands

i-PRO EMEA B.V.  UK Branch
1010 Cambourne Business Park,
Cambridgeshire CB23 6DP

**CE**

**UKCA**

C0724-0
PGQP3750ZA

**Disposal of Old Equipment and Batteries**
**Only for European Union and countries with recycling systems**

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.
By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.
For more information about collection and recycling, please contact your local authority.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

**Note for the battery symbol (bottom symbol)**
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

---

**For U.S.A.**

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.

FCC CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Supplier's Declaration of conformity

Trade name : i-PRO
Model No. : WV-S25700-V2L, WV-S25600-V2L, WV-S25500-V3L, WV-S25500-F6L, WV-S25500-F3L
Responsible Party :
i-PRO Americas Inc.
8550 Fallbrook Drive, Suite 200 Houston, Texas 77064
Support Contact: 1-800-513-5417

---

**For U.S.A.**

The model number and serial number of this product may be found on the surface of the unit.
You should note the model number and serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

    Model No. _____
    Serial No. _____

**For U.S.A.**

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.

**For Canada**
CAN ICES-3(A)/NMB-3(A)

---

| Méthode d'installation | Vis de fixation recommandée | La capacité de traction minimale requise |
|---|---|---|
| Installer la caméra vidéo sur le boîtier de groupe/ boîte de jonction à l'aide de la plaque de fixation. | M4 x 16 mm {5/8 pouces} / 4 él.* | 196 N {44 lbf} |
| Installer directement la caméra vidéo sur la surface d'installation en utilisant la plaque de fixation. | | |
| Installer la caméra vidéo à l'aide de la platine de fixation d'installation exclusivement conçue. | Se référer au manuel d'utilisation de chaque platine de fixation. | |

* La longueur de la vis est un exemple lors de l'installation de la caméra au plafond ou sur un mur robuste d'une épaisseur de 20 mm {25/32 pouces} ou plus.

> **WARNING:**
> • Operation of this product in a residential environment could cause radio interference.

**Caution:**

• The DC power supply connected to the camera must be in the same building.
• The network camera is only intended for a connection to an ethernet or PoE network without routing to the outside plant.
• This product has no power switch. Be sure to install disconnect devices such as a circuit breaker to shut down the main power of power supplying equipment to this product.
• Only connect 12 V DC Class 2 power supply (UL 1310/CSA 223), limited power source (IEC/EN/UL/CSA 60950-1, IEC/EN/UL/CSA 62368-1 Annex Q) or IEC/EN/UL/CSA 62368-1 PS2.
• Before attempting to connect or operate this product, please read these instructions carefully.

**Notice:**

• This product is not suitable for use in locations where children are likely to be present.
• Do not install this product in locations where ordinary persons can easily reach.
• This product is a professional equipment.
• For information about screws and other parts required for installation, refer to the corresponding section of this document.

▬▬▬ : Direct current symbol

# Precautions

■ **Do not insert any foreign objects.**

Fire or electrical shock may be caused if water or any foreign objects, such as metal objects, enter inside the unit.
Turn the power off immediately and contact qualified service personnel for service.

■ **Do not use this product in an inflammable atmosphere.**

Failure to observe this may cause an explosion resulting in injury.

■ **Avoid installing this product in the locations where salt damage occurs or corrosive gas is produced.**

Otherwise, the mounting portions will deteriorate and injury or accidents due to a fall of the product may occur.

■ **Do not strike or give a strong shock to this product.**

Failure to observe this may cause injury or fire.

■ **Keep microSD memory cards away from infants and children.**

Otherwise, they may swallow the cards by mistake.
In this case, consult a doctor immediately.

■ **Do not hang down from this product or use this product as a pedestal.**

Failure to observe this may cause injury or accidents.

■ **Do not damage the power cable.**
**Do not damage, fabricate, twist, stretch, bundle, or forcibly bend the power cable.**
**Do not place heavy objects on it, and keep it away from heat sources.**

Use of a damaged power cable may cause electric shock, short circuit, or fire.
Consult the dealer for repair.

■ **Do not install this product on a place that is greatly influenced by wind.**

Installation on a place where the wind speed is 60 m/s {approx. 134 mph} or more may cause a fall of the product resulting in injury or accidents.

■ **Do not sprinkle more water, exceeding the performance limit of waterproof with a high pressure cleaning machine, etc.**

Fire or electrical shock may be caused by immersion.

#### ■ Do not attempt to disassemble or modify this product.
Failure to observe this may cause fire or electric shock. Consult the dealer for the repair or inspections.

#### ■ Do not install or clean the camera, or touch this product, the power cable or the connected cables during thunder storms.
Failure to observe this may cause electric shock.

#### ■ Refer installation work to the dealer.
Installation work requires technique and experience. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Be sure to consult the dealer.

#### ■ Stop the operation immediately when something is wrong with this product.
When smoke goes up from the product, the smell of smoke comes from the product, or the exterior of the product has deteriorated, continued use will cause a fire or fall of the product resulting in injury, or damage to the product.
In this case, turn the power off immediately and contact qualified service personnel for service.

#### ■ Select an installation area that can support the total weight.
Selecting an inappropriate installation surface may cause this product to fall down or topple over, resulting in injury or accidents. Installation work shall be started after sufficient reinforcement.

#### ■ Periodic inspections shall be conducted.
Rust on the metal parts or screws may cause a fall of the product resulting in injury or accidents.
Consult the dealer for the inspections.

#### ■ The exclusively designed mount bracket shall be used.
Failure to observe this may cause a drop resulting in injury or accidents.
Use the exclusively designed mount bracket for installation.

#### ■ The screws and bolts must be tightened to the specified torque.
Failure to observe this may cause a drop resulting in injury or accidents.

#### ■ Turn the power off when do wiring of this product.
Failure to observe this may cause electric shock. In addition, short circuit or wrong wiring may cause fire.

#### ■ Install this product in a location high enough to avoid people and objects from bumping the product.
Failure to observe this may cause injury.

#### ■ Do not install this product in locations subject to vibration.
Loosening of mounting screws or bolts may cause a fall of the product resulting in injury or accidents.

#### ■ Correctly perform all wiring.
Short circuits in the wiring or incorrect wiring may cause fire or electrical shock.

#### ■ Install the product securely on an installation surface in accordance with the installation instructions.
Failure to observe this may cause injury or accidents.

#### ■ Do not rub the edges of metal parts with your hand.
Failure to observe this may cause injury.

#### ■ Do not touch the metal part of the bottom side of the product.
The metal part of the bottom side may become hot while the product is in use. Direct skin contact with high-temperature parts of the product may cause burns.

#### ■ Turn the power off when cleaning this product.
Failure to observe this may cause injury.

## About notations

S257V2L **Normal models**
WV-S25700-V2L / WV-S25600-V2L / WV-S25500-V3L

S257V2LN **With ClearSight coating models**
WV-S25700-V2LN / WV-S25700-V2LN1 / WV-S25600-V2LN / WV-S25500-V3LN / WV-S25500-V3LN1

S257V2LG **Smoke dome cover models**
WV-S25700-V2LG / WV-S25600-V2LG / WV-S25500-V3LG

S255F6L **Fixed lens models**
WV-S25500-F6L / WV-S25500-F3L

| W | : i-PRO white body | C | : Clear dome cover |
|---|---|---|---|
| B | : Black body | G | : Smoke dome cover |

## Open Source Software

- This product contains open source software licensed under GPL (GNU General Public License), LGPL (GNU Lesser General Public License), etc.
- Customers can duplicate, distribute and modify the source code of the software under license of GPL and/or LGPL.
- For details concerning licensing and source code of open source software, click "Click here for OSS information" on "Support" page of the setup menu of this product and read the displayed content.
- Please note that we shall not respond to any inquiries regarding the contents of the source code.

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- Android and Google Chrome are trademark of Google LLC.
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- The word "QR Code" is a registered trademark of DENSO WAVE INCORPORATED in Japan and other countries.
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## Precautions for installation

**i-PRO Co., Ltd. assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this documentation.**

### ■ In order to prevent injury, the product must be securely mounted to an installation surface according to Installation Guide.

### ■ Installation area for this product
Select an appropriate place for the installation area (such as a strong installation surface) in your particular environment.
• Make sure that the installation area is strong enough to hold this product, such as a concrete ceiling.
• Install the camera in the foundation area of the architecture or where sufficient strength is assured.
• Do not mount the product on a plaster board or a wooden section because they are too weak. If the product is unavoidably mounted on such a section, the section shall be sufficiently reinforced.

### ■ Install the product in areas that do not receive direct sunlight.
When the product is installed outside in areas that receive direct sunlight, such as on external walls, use the optional "WV-QSR500-W: Sun Shade" and "WV-QJB501-W: Base bracket".

### ■ Do not place this product in the following places
• Locations where a chemical agent is used such as a swimming pool
• Locations subject to moisture or oil smoke such as a kitchen
• Locations that have a specific environment that is subject to an inflammable atmosphere or solvents
• Locations where a radiation, an X-ray, a strong radio wave or a strong magnetic field is generated
• Locations near coasts directly subjected to sea breezes, or locations subject to corrosive gases such as from hot springs, volcanic regions, etc.
• Locations where the temperature is not within the specified range
• Locations subject to vibrations, such as on vehicles, marine vessels, or above product lines (This product is not designed for on-vehicle use.)
• Locations subject to condensation as the result of severe changes in temperature
• Locations near rubber products (packing, rubber feet, etc.)

### ■ Screw tightening
Do not use an impact driver. Use of an impact driver may damage the screws or cause tightening excessively.

### ■ Installing in low temperature environments
This product is equipped with an internal heater unit for use in cold climates. The heater unit turns on automatically when the temperature inside the product drops below around –15°C {5 °F}. When this product is installed and operated in low temperatures below –20 °C {–4 °F}, it may require time to start up since the camera will wait to be warmed up internally by the internal heater right after the power is turned on. Also, the camera may not function properly, if it is installed and operated in an environment where the temperature is below –25 °C {–13 °F}. In such a case, wait approximately 2 hours or more until the camera is warmed up. Then, turn on the power again.
As the camera warms up, snow or frost accumulated on the dome cover will melt. However, it may not be defrosted from the cover depending on the ambient temperature or weather condition.

### ■ About reflection of light from outside or IR light
A ghost may appear on the screen depending on the incident angle of external light.
In the case of using the IR light, installation of a camera near a wall may cause reflection of infrared rays resulting in a part of the screen or the entire screen turning whitish.
• Refer to our support website <Control No.: C0109> for image examples and measures to take.

### ■ Take notice of humidity
Install this product when the humidity is low. If installation is performed when it is raining or in very humid conditions, the inside may be affected by humidity, causing mist-over inside the dome cover.

### ■ Protection from lightning
When cables are used outdoors, there is a chance that they may be affected by lightning. In such a case, install a lightning arrestor close to the camera, and make the length of the network cable between the camera and lightning arrestor as short as possible to prevent the camera from being affected by lightning.

■ **When noise disturbance may happen**

Noise may appear in video or audio near a strong electric field from a TV or radio antenna, motors and transformers, or a strong electric field/magnetic field from a power line (lamp line) of AC100 V or more. Conduct the power distribution work to keep 1 m {3.28 feet} away from them or conduct the electric conduit work using metal pipes. (Be sure to make ground connection of the metal pipes.)

■ **Make sure to remove this product if it will no longer be used.**

■ **This product has no power switch.**

When turning off the power, disconnect the power supply from the 12 V DC power supply or the PoE device.

■ **About the battery**

A battery is installed inside the camera. Do not leave the battery exposed in environments of excessive heat as a result of sunlight or fire.

■ **Equipment classification and power source indication label**

Refer to the indication label on the bottom side of this unit for the equipment classification, power source, and other information.

■ **About static electricity**

Before installing removing this product, be sure to touch metal objects to discharge static electricity from your body.

## Specifications* *For further information, refer to the Basic Information.

| | |
|---|---|
| Power source *1: | 12 V DC<br>PoE (IEEE802.3af compliant) |
| Power consumption *1: | **S257V2L** **S257V2LN** **S257V2LG**<br>12 V DC: 1.0 A/ Approx. 12.0 W<br>PoE 48 V DC: 240 mA/ Approx. 11.5 W (Class 0 device)<br>- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<br>**S255F6L**<br>12 V DC: 880 mA/ Approx. 10.6 W<br>PoE 48 V DC: 220 mA/ Approx. 10.6 W (Class 0 device) |
| Operating environment<br>Ambient operating temperature:<br><br><br>Ambient operating humidity: | –40 °C to +60 °C *2 {–40 °F to +140 °F}<br>(Power On range: –30 °C to +60 °C {–22 °F to +140 °F})<br>10 % to 100 % (no condensation) |
| Storage environment<br>Storage temperature:<br>Storage humidity: | –30 °C to +60 °C {–22 °F to +140 °F}<br>10 % to 95 % (no condensation) |
| Monitor output<br>(for adjustment): | VBS: 1.0 V [p-p]/75 Ω, composite, Pin jack<br>An NTSC or PAL signal can be outputted from camera<br>(either press the INITIAL SET button quickly (within 1 second) or<br>use software to select NTSC or PAL signal). |
| EXT I/O terminals: | ALARM IN1<br>(Alarm input 1/ Black & white input/ Auto time adjustment input) (x1)<br>ALARM IN2 (Alarm input 2/ ALARM OUT) (x1)<br>ALARM IN3 (Alarm input 3/ AUX OUT) (x1) |
| Audio input:<br>For microphone input:<br><br><br><br>For line input: | ø3.5 mm stereo mini jack<br>Recommended applicable microphone: Plug-in power type<br>(Sensitivity of microphone: –51 dB to –38 dB (0 dB=1 V/Pa, 1 kHz))<br>Input impedance: Approx. 2 kΩ (unbalanced)<br>Supply voltage: 2.5 V ±0.5 V<br>Input level: Approx. –10 dBV |
| Audio output *3: | ø3.5 mm stereo mini jack (Audio output is monaural.)<br>Output impedance: Approx. 600 Ω (unbalanced)<br>Output level: –20 dBV |
| Waterproof *4: | IP66 (IEC 60529), Type 4X (UL50E)<br>NEMA 4X compliant |
| Shock resistance: | 50 J (IEC 60068-2-75 compliant), IK10 (IEC 62262) |
| Wind resistance: | Up to 40 m/s {approx. 89 mph} |
| Dimensions: | ø154 mm × 105 mm (H) {ø6-1/16 inches × 4-1/8 inches (H)}<br>Dome radius 42 mm {1-21/32 inches}<br>(excluding attachment for the conduit portion) |
| Mass: | Approx. 1.1 kg {2.43 lbs}<br>(excluding attachment for the conduit portion) |
| Finish: | **Main body:** Aluminum die cast, **W**<br>**B** <WV-S25700-V2LN1> <WV-S25500-V3LN1><br>**Outer fixing screws:** Stainless steel (Corrosion-resistant treatment)<br>**Dome cover:** PC resin,<br>**C** **S257V2L** **S257V2LN** **S255F6L**<br>**G** **S257V2LG**<br>**S257V2LN** (with ClearSight coating) |
| Others: | Tamper-resistant enclosure*5 |

*1 Refer to our technical information website <Control No.: C0106> for further information about Power source and Power consumption information.
*2 When using with the IR LED light lit, the upper limit of the operating temperature range is +50 °C {+122 °F}.
*3 **<WV-S25700-V2L>< WV-S25600-V2L>**
This camera is not equipped with the function to change the audio output to the monitor output.
**<WV-S25500-V3L><WV-S25500-F6L><WV-S25500-F3L>**
The audio output can be switched to the monitor output. Refer to the "Operating Instructions" on Documentation Database for descriptions of how to switch the output.
*4 Only when installation work is properly performed according to the Installation Guide and appropriate waterproof treatment is performed.
*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.
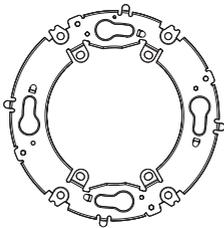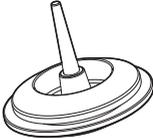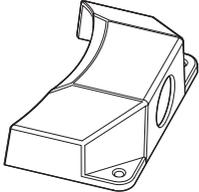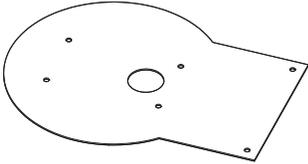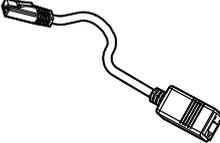
## Optional accessories

The latest information → Technical information website "Accessory Selector"
<Control No.: C0501>

## Troubleshooting

Before requesting service, refer to "Troubleshooting" of Basic Information and Operating Instructions. Then, confirm the trouble.

## Standard accessories

Important Safety Instructions ......................... 1 pc.

| | | |
|---|---|---|
| Attachment plate ×1 | Bit ×1(Hex wrench, screw size 6.35 mm {1/4 inches} T20) | Grommet ×2 (of them, 1 for spare) |
| Attachment for the conduit x1 | Fixing screw for attachment plate (M4 x 8 mm {5/16 inches}) ×5 (of them, 1 for spare) | COATING \n S257V2LN \n Rain wash coating label ×1 |
| Template ×1 | RJ45 cap ×1 | Cable for easy kitting*1 ×1 |

*1 The cable for easy kitting is attached to the camera.

## Other items that are needed (not included)

• Mounting screws

| Installation method | Recommended screw*1 | Minimum pull-out strength*2 |
|---|---|---|
| Mount the camera on a gangbox/ junction box using the attachment plate. | M4 × 16 mm {5/8 inches} × 4 pcs.*3 | 196 N {44 lbf} |
| Directly mount the camera onto the installation surface using the attachment plate. | | |
| Mount the camera using the exclusively designed mount bracket. | Refer to the operating instructions of each bracket. | |

*1 Select screws according to the material of the location that the camera will be mounted to. In this case, wood screws and nails should not be used.
*2 This value indicates the minimum pull-out strength required value per screw. For information about the minimum pull-out strength, refer to our technical information website <Control No.: C0120>.
*3 The screw length is an example when installing the camera on a robust installation surface with a thickness of 20 mm {25/32 inches} or more.
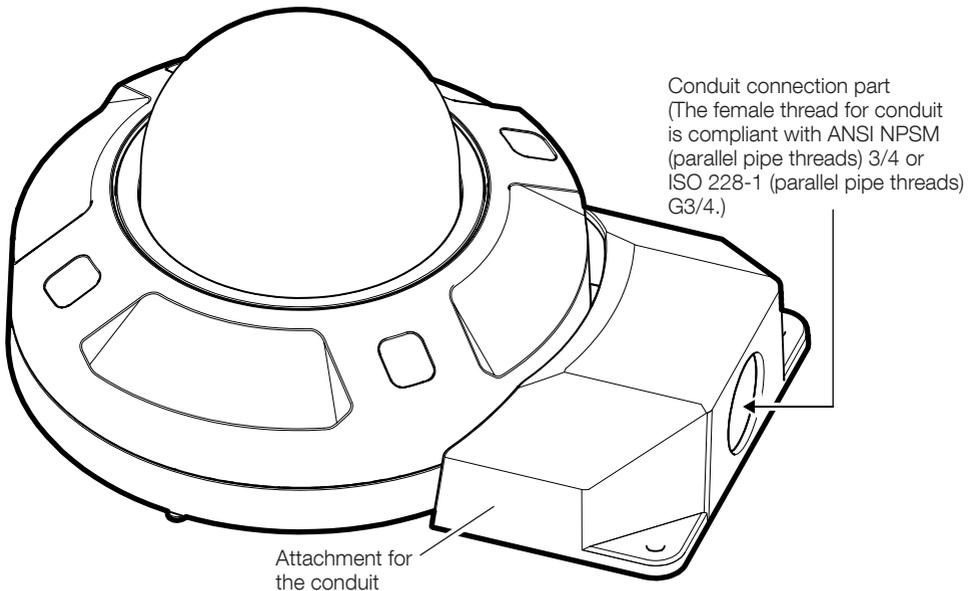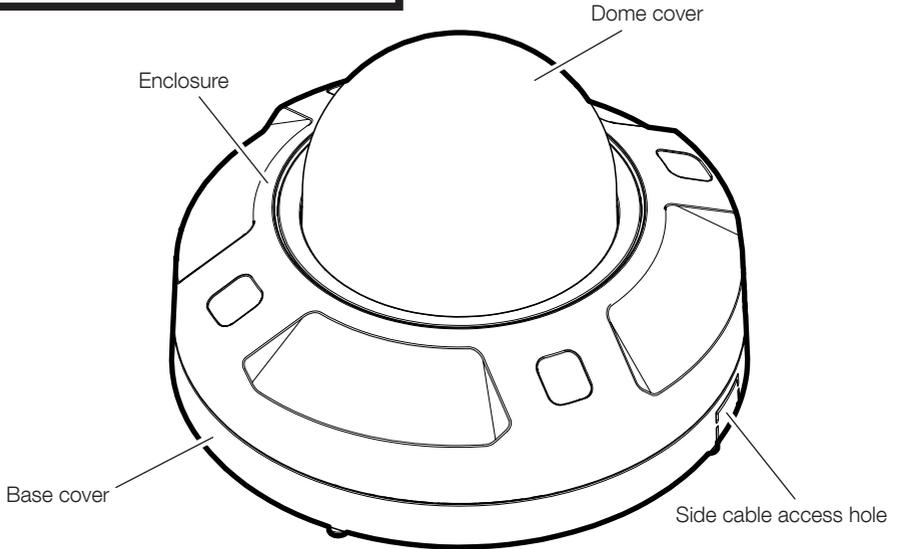• Ethernet cable with RJ45 plug (category 5e or better, straight, all 4 pairs (8 pins), less than 100m {328 feet})
• As necessary, audio input cable, audio output cable, alarm I/O cables, power supply cable

# Installation Procedure

# Parts and functions

Dome cover

Enclosure

Base cover

Side cable access hole

Conduit connection part
(The female thread for conduit
is compliant with ANSI NPSM
(parallel pipe threads) 3/4 or
ISO 228-1 (parallel pipe threads)
G3/4.)

Attachment for
the conduit

Grommet when not using
an I/O cable
(When the camera is shipped,
this grommet is attached to
the camera.)

SD memory card
warning/error
indicator

I/O cable connection
terminal

Grommet fixing position
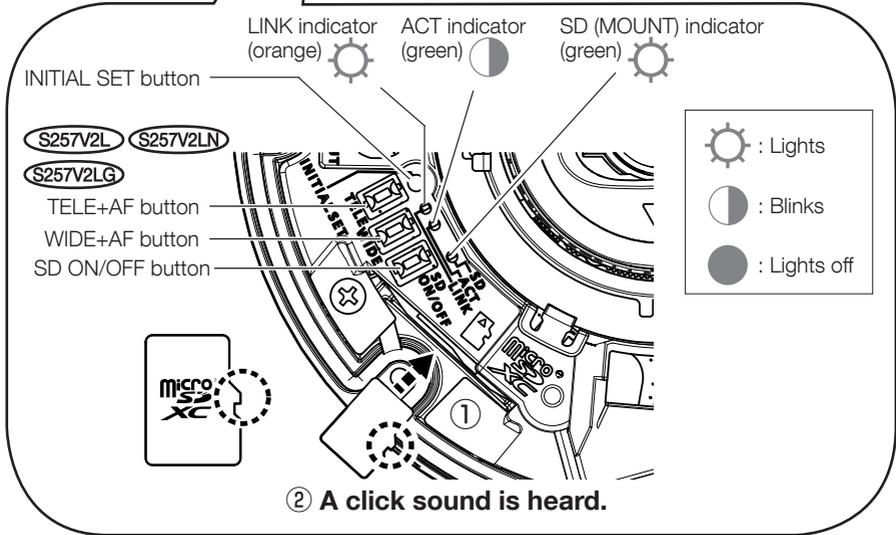for Ethernet cable

Wire hook

IR LED (2 places)

MONITOR OUT
terminal

RJ45 network
terminal

TOP
FRONT

Direction marker for
installation (TOP) on
the wall

Direction marker for
installation (FRONT)
on the ceiling

"△" mark
Screen upward direction

LINK indicator
(orange)

ACT indicator
(green)

SD (MOUNT) indicator
(green)

INITIAL SET button

S257V2L   S257V2LN

S257V2LG

: Lights

TELE+AF button

: Blinks

WIDE+AF button

SD ON/OFF button

: Lights off

microSD
XC

① 

② **A click sound is heard.**

• Operating Instructions [Indicator]  All LEDs forced to turn off
• Operating Instructions "Format"
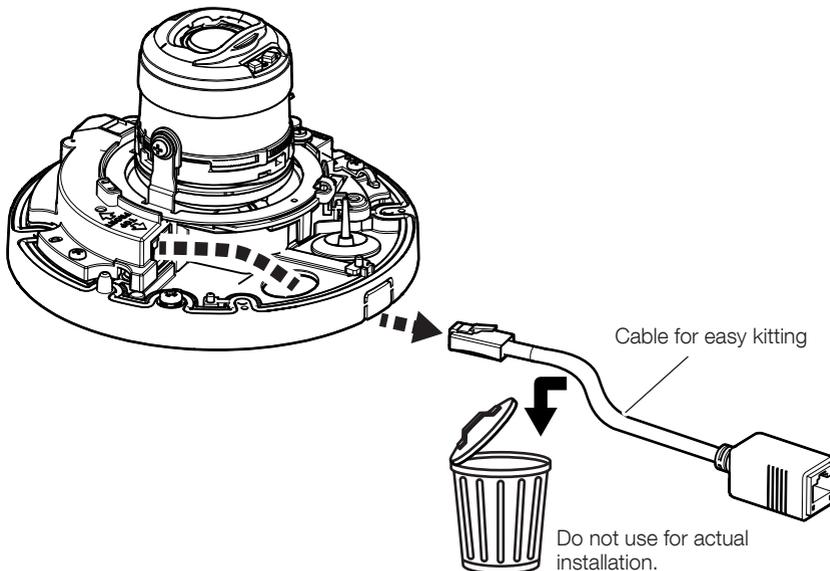• It is recommended to use a microSD memory card for i-PRO devices.
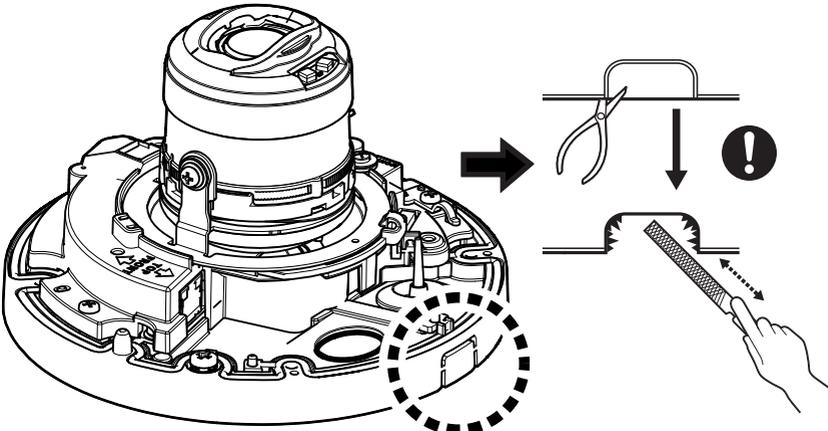
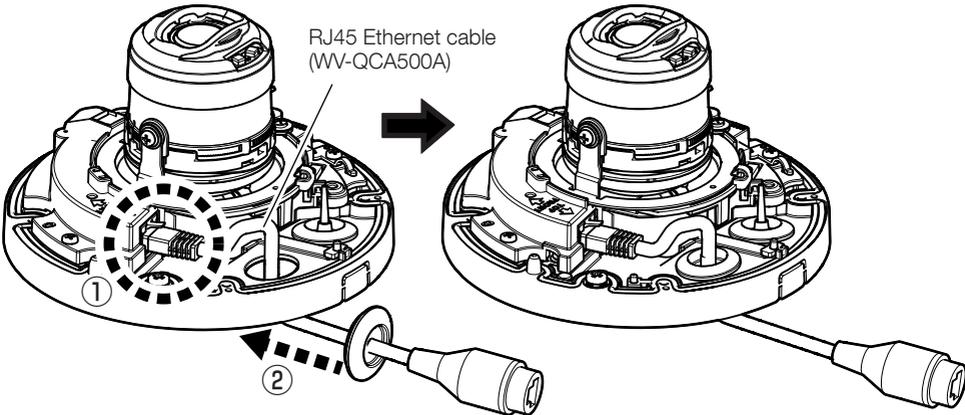## Step 1    Preparations

### ■ Remove the enclosure (common)



Bit (accessory)

Installed auxiliary wire
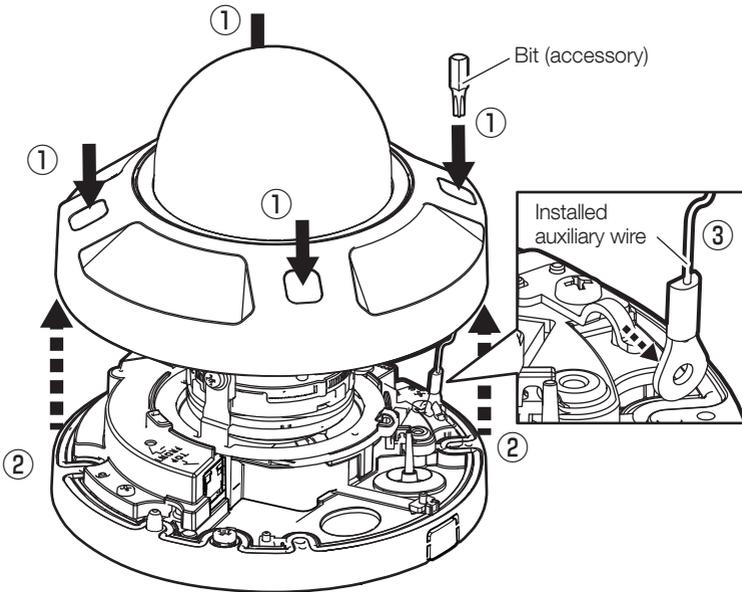
### ■ Remove the cable for easy kitting (common)



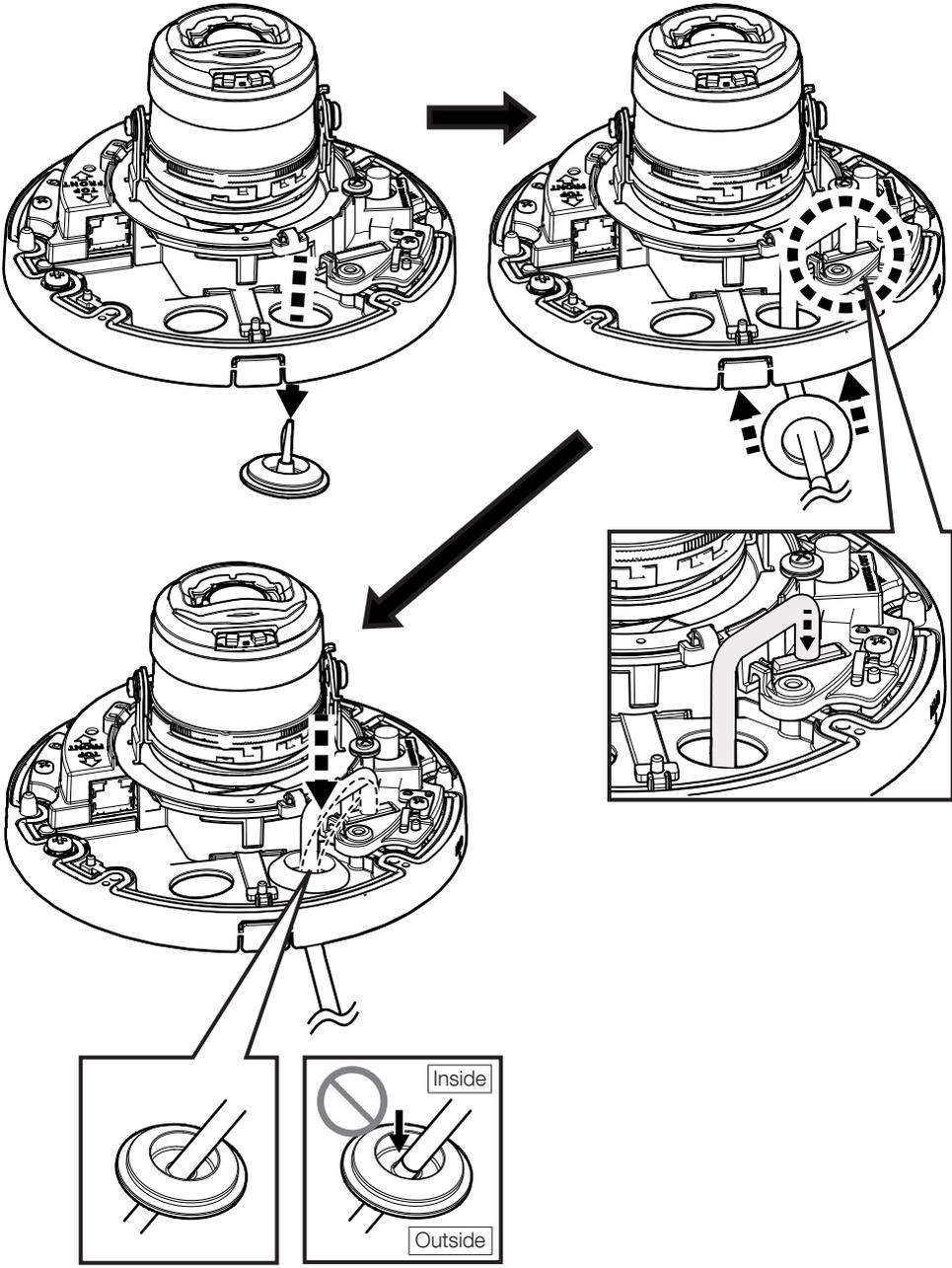Cable for easy kitting

Do not use for actual installation.

## ■ When wiring on the side or using the attachment for conduit


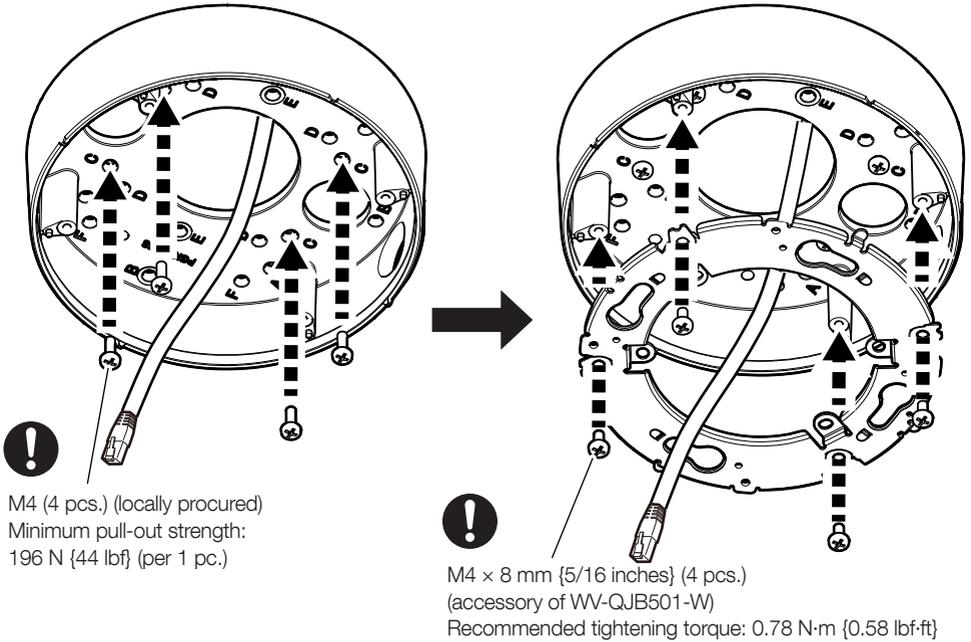
## ■ When using a RJ45 Ethernet cable (WV-QCA500A: option)
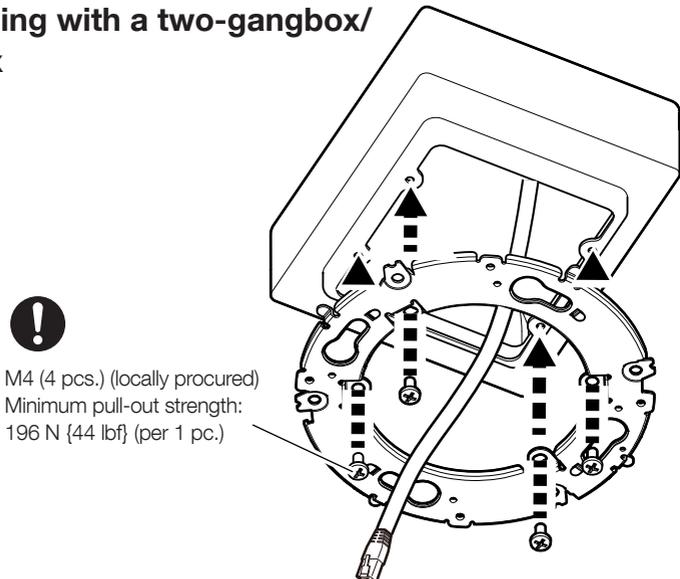


RJ45 Ethernet cable
(WV-QCA500A)

## ■ When using an I/O cable (WV-QCA501A:option)



Inside

Outside

# Step 2

## ■ When installing with the base bracket (WV-QJB501-W)



M4 (4 pcs.) (locally procured)
Minimum pull-out strength:
196 N {44 lbf} (per 1 pc.)

M4 × 8 mm {5/16 inches} (4 pcs.)
(accessory of WV-QJB501-W)
Recommended tightening torque: 0.78 N·m {0.58 lbf·ft}

## ■ When installing with a two-gangbox/ junction box



M4 (4 pcs.) (locally procured)
Minimum pull-out strength:
196 N {44 lbf} (per 1 pc.)

# Step 2 (continued)

## ■ When fixing the camera on the installation surface after determining the camera direction

116.5 mm
{4-19/32 inches}

93 mm {3-21/32 inches}

46 mm
{1-13/16 inches}

ø25.4 mm
{ø1 inch}

23.8 mm
{15/16 inches}

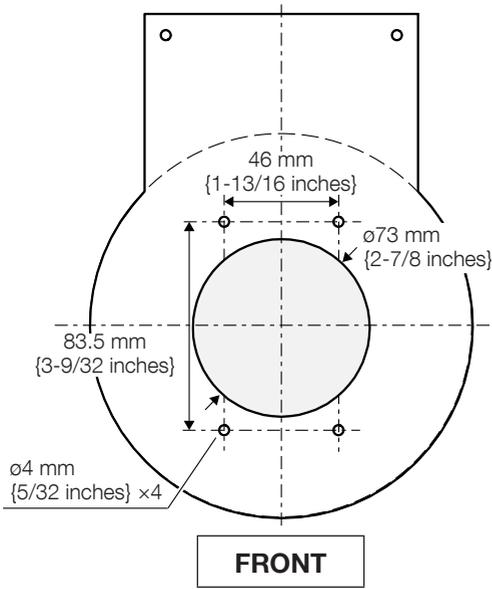83.5 mm
{3-9/32 inches}

ø4 mm
{5/32 inches} ×6

**FRONT**
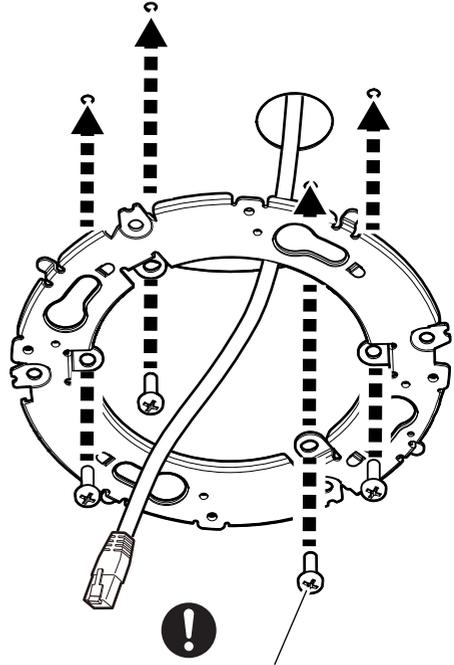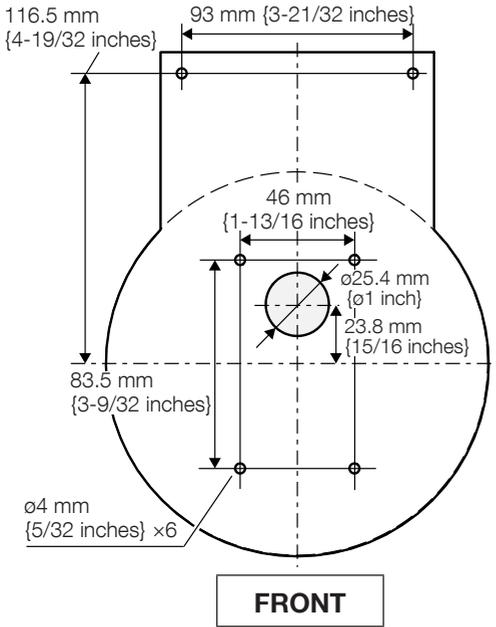
M4 (4 pcs.) (locally procured)
Minimum pull-out strength:
196 N {44 lbf} (per 1 pc.)
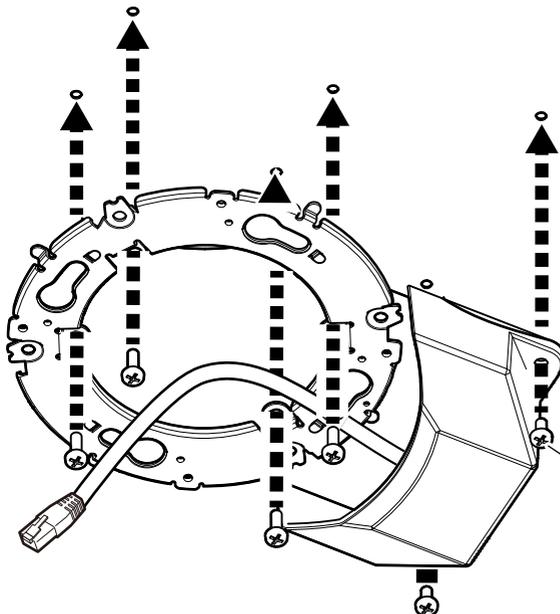
M4 (6 pcs.) (locally procured)
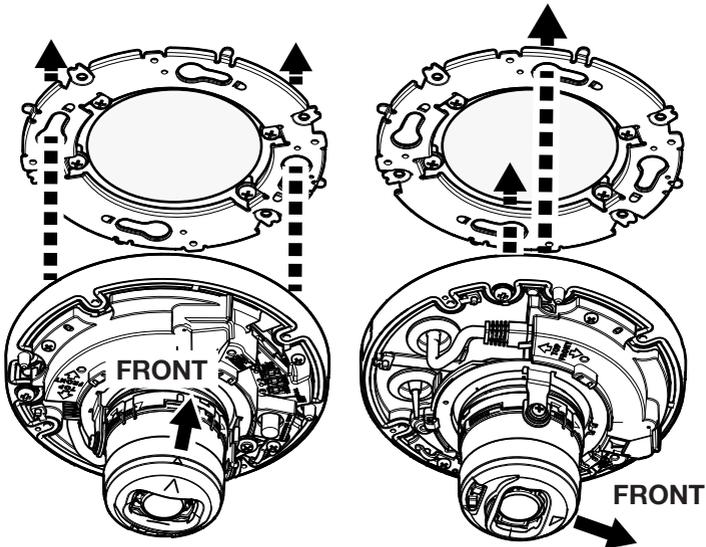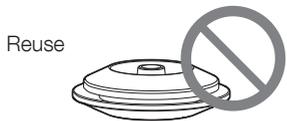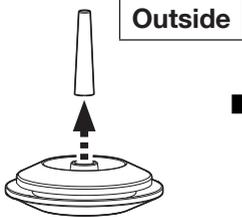Minimum pull-out strength:
196 N {44 lbf} (per 1 pc.)

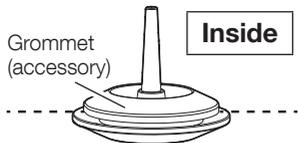## ■ When adjusting the camera direction after installing the camera

46 mm
{1-13/16 inches}

ø73 mm
{2-7/8 inches}

83.5 mm
{3-9/32 inches}

ø4 mm
{5/32 inches} ×4

**FRONT**
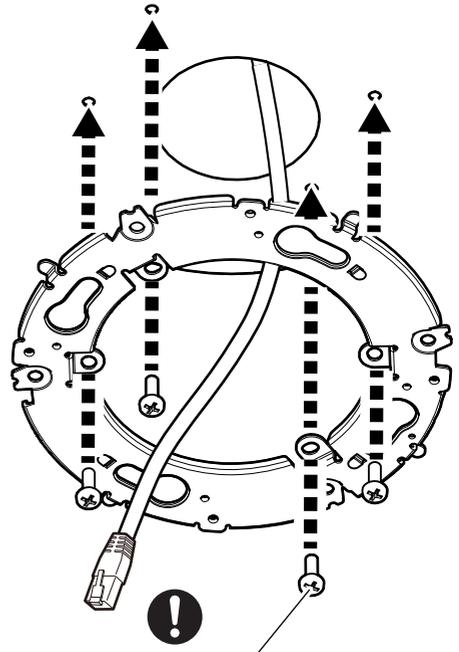
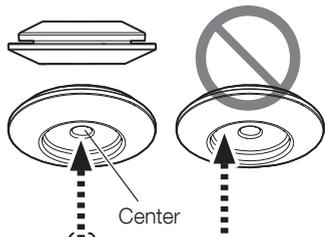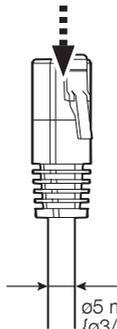M4 (4 pcs.) (locally procured)
Minimum pull-out strength:
196 N {44 lbf} (per 1 pc.)
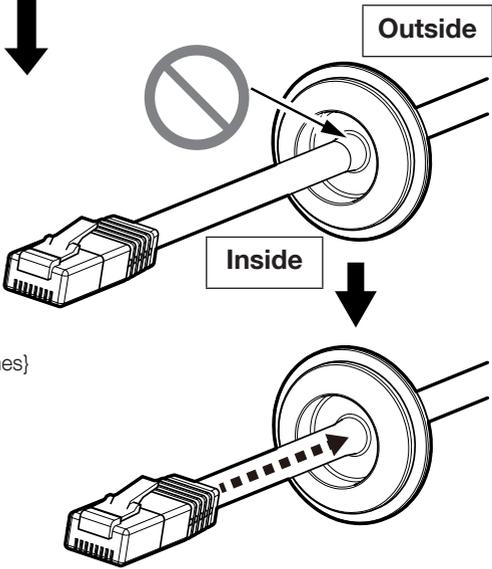
**Note:**
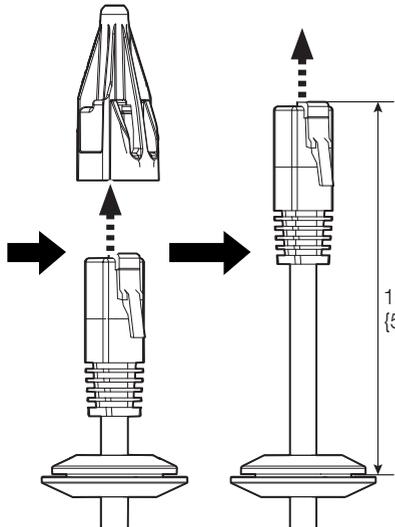• The camera can be installed in any direction.

**FRONT**

**FRONT**

# Step 3

Grommet (accessory)

**Inside**

**Outside**

RJ45 cap (accessory)

Center

Reuse

ø5 mm to ø8.5 mm {ø3/16 inches to ø11/32 inches}

RJ45 Ethernet (PoE)
category 5e or better, straight, 4 pairs (8 pins)
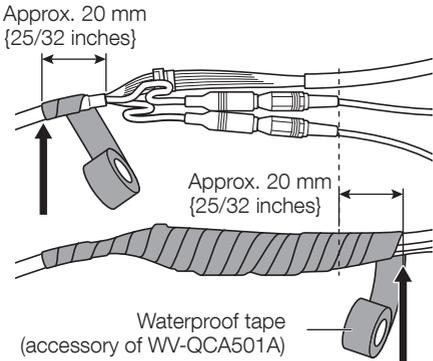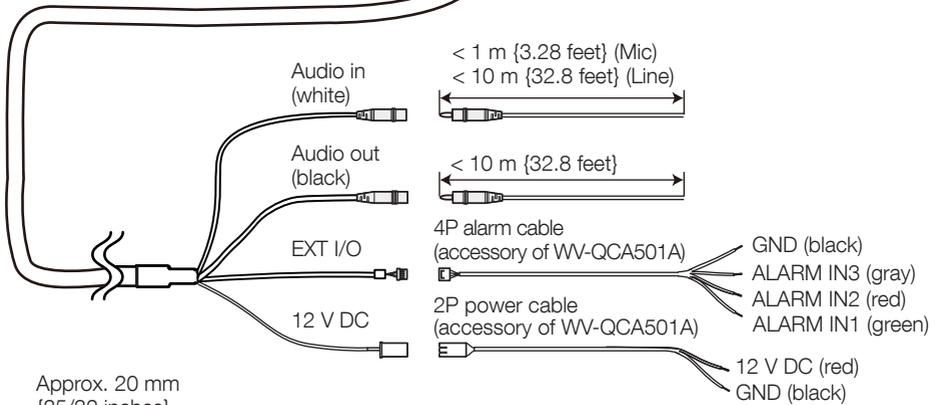<100 m {328 feet}

**Outside**

**Inside**

150 mm {5-29/32 inches}

19

# Step 4
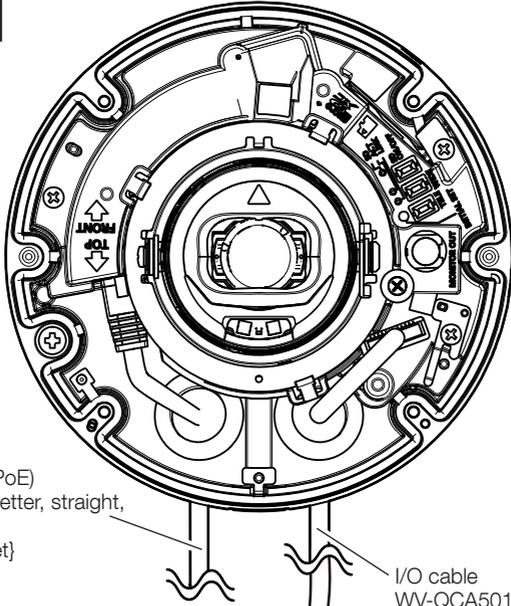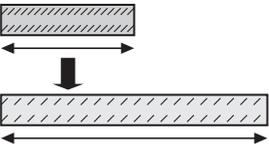


RJ45 Ethernet (PoE)
category 5e or better, straight,
4 pairs (8 pins)
<100 m {328 feet}

I/O cable
WV-QCA501A (option)

Audio in
(white)

< 1 m {3.28 feet} (Mic)
< 10 m {32.8 feet} (Line)

Audio out
(black)

< 10 m {32.8 feet}

EXT I/O

4P alarm cable
(accessory of WV-QCA501A)

GND (black)
ALARM IN3 (gray)
ALARM IN2 (red)
ALARM IN1 (green)

12 V DC

2P power cable
(accessory of WV-QCA501A)

12 V DC (red)
GND (black)

Approx. 20 mm
{25/32 inches}

Approx. 20 mm
{25/32 inches}

Waterproof tape
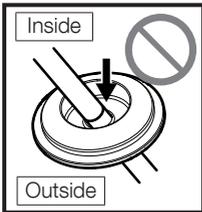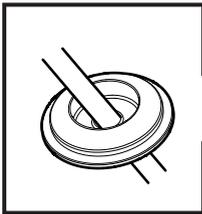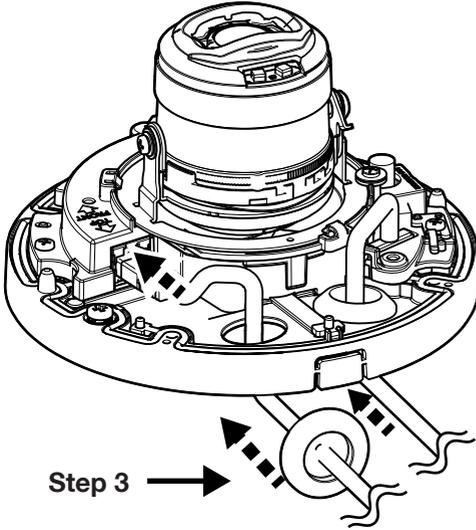(accessory of WV-QCA501A)

- Stretch the waterproof tape by about twice the length to use.
- To shorten the tape winding portion, wind the tape while keeping the audio cable slack.
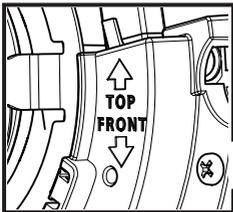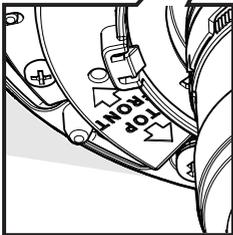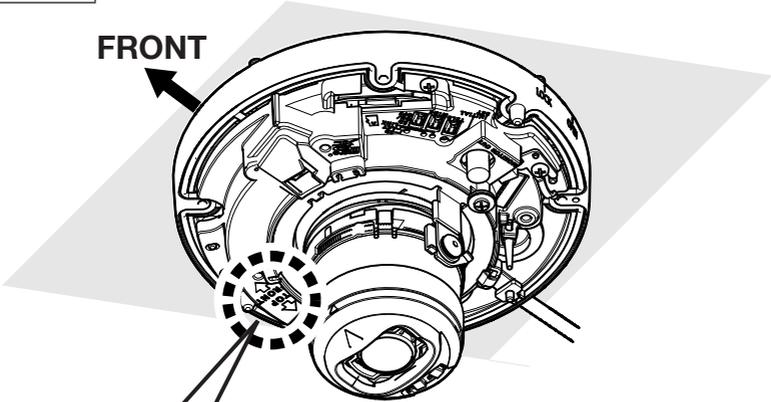
20

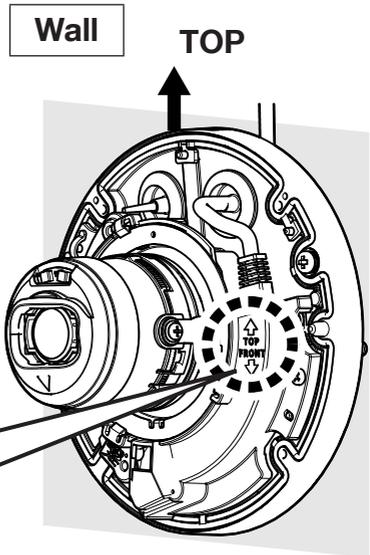# Step 4 (continued)

## ■ Connect the RJ45 Ethernet cable to the camera.

Step 3

Inside

Outside
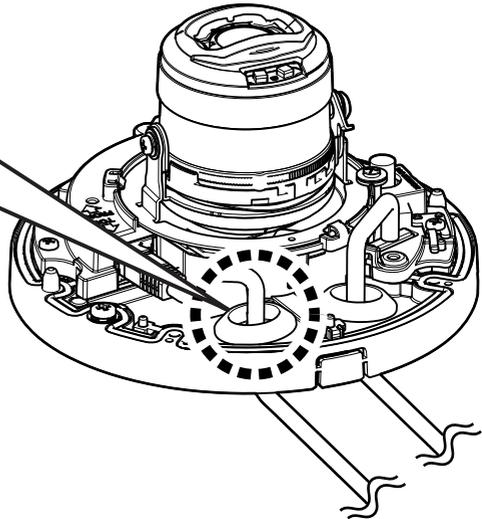
# Step 5

■ **Check the installation direction of the camera.**

**Ceiling**

FRONT

**Wall**

TOP

TOP
FRONT
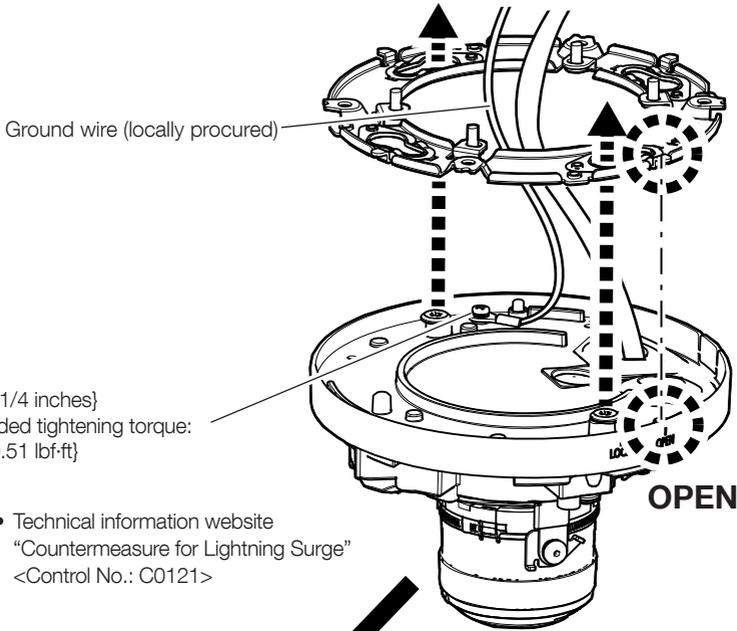
# Step 5 (continued)

\* **The following are descriptions of how to install the camera on a ceiling as an example.**

Ground wire (locally procured)

M3×6 mm {1/4 inches}
Recommended tightening torque:
0.69 N·m {0.51 lbf·ft}

• Technical information website
"Countermeasure for Lightning Surge"
<Control No.: C0121>

OPEN

OPEN

LOCK

# Step 5 (continued)
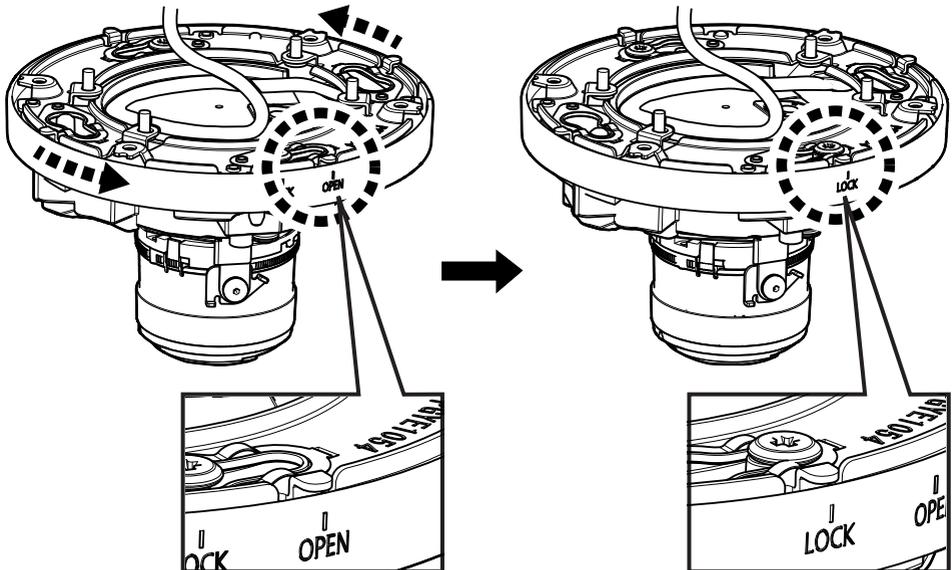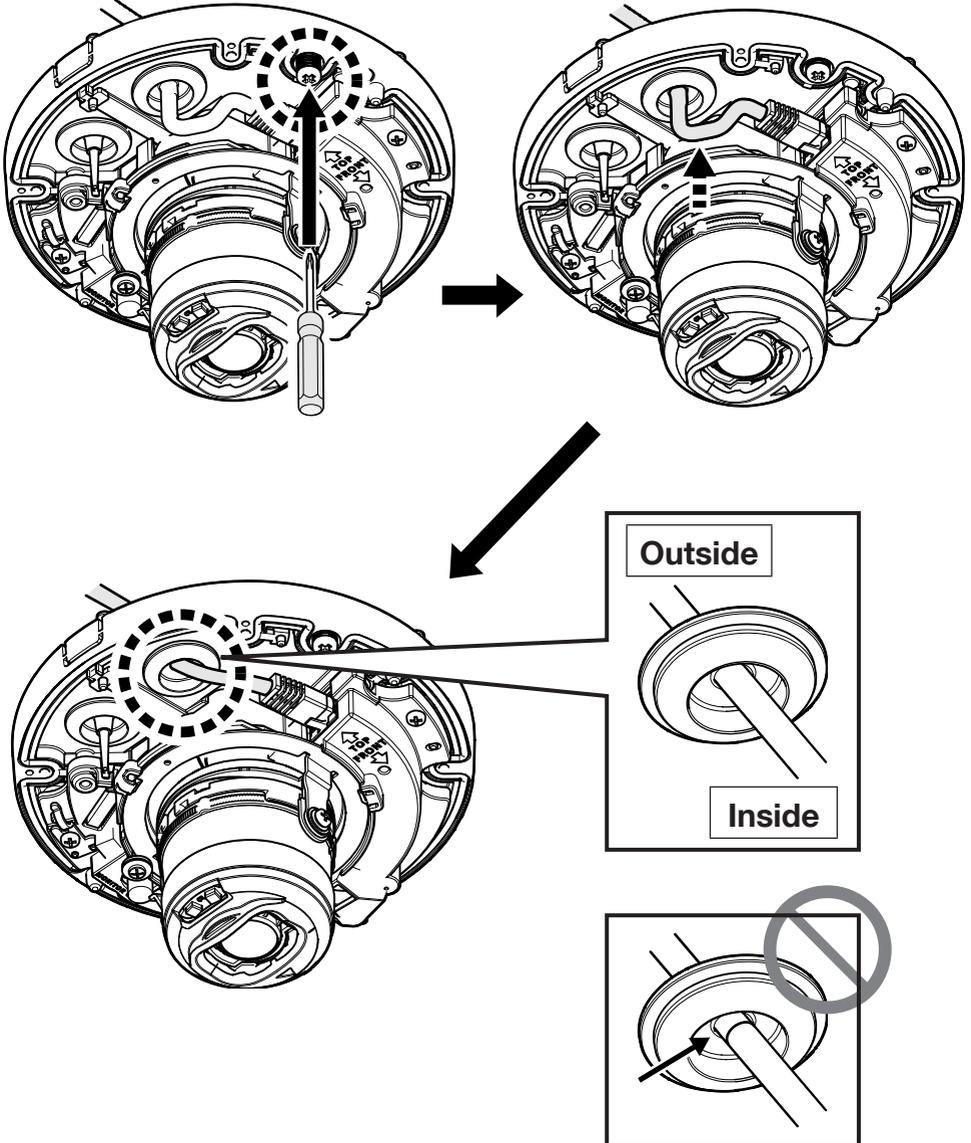
\* **The following are descriptions of how to install the camera on a ceiling as an example.**
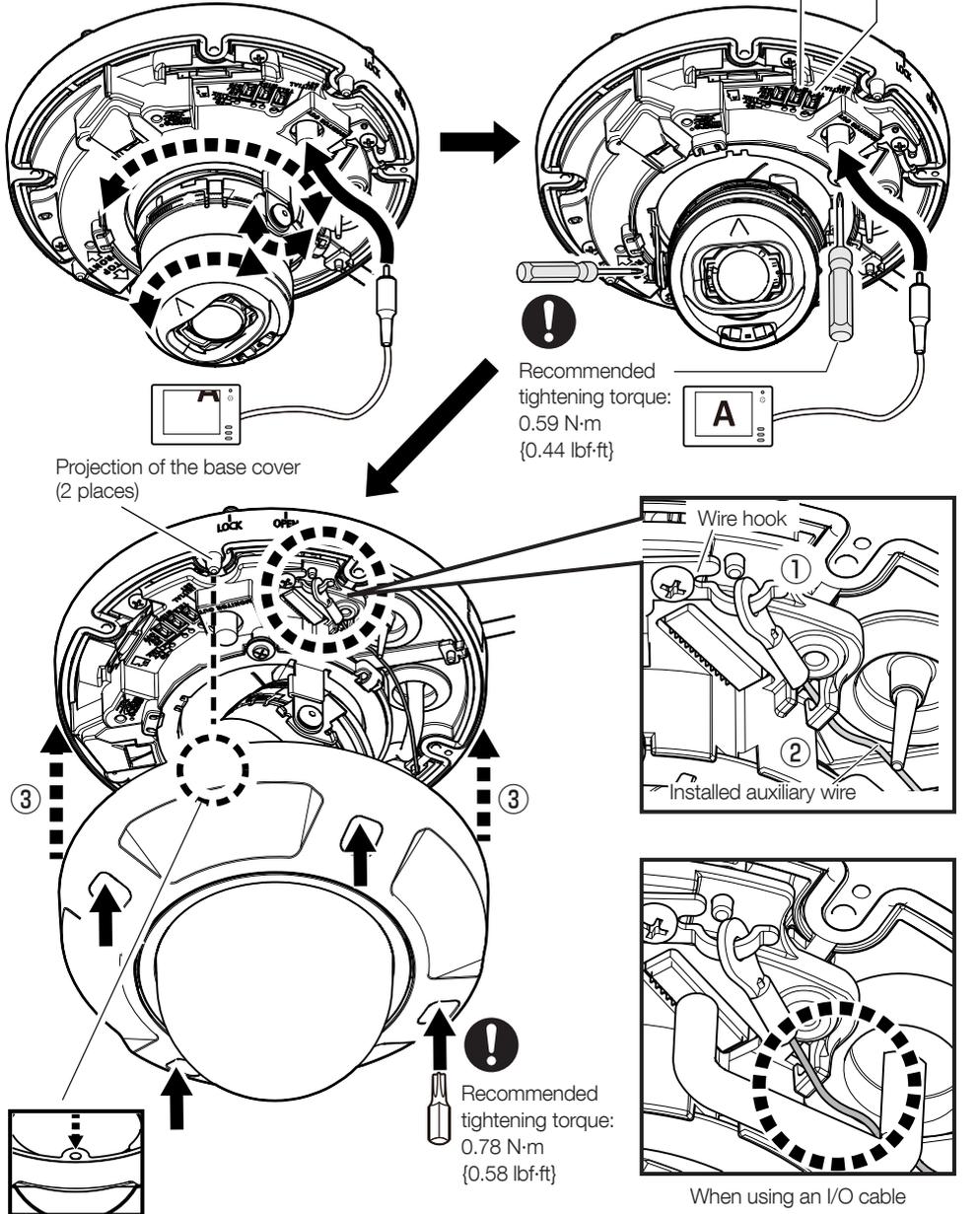
Recommended tightening torque:
0.78 N·m {0.58 lbf·ft}



**Outside**

**Inside**

# Step 6

→**Power On (12 V DC/PoE)**

**If there is a protection film on the lens, remove it.**

**Ceiling**

S257V2L  S257V2LN  S257V2LG

WIDE+AF  TELE+AF

Recommended tightening torque:
0.59 N·m
{0.44 lbf·ft}

A

Projection of the base cover
(2 places)

Wire hook

① ②

Installed auxiliary wire

③ ③

Recommended tightening torque:
0.78 N·m
{0.58 lbf·ft}

When using an I/O cable
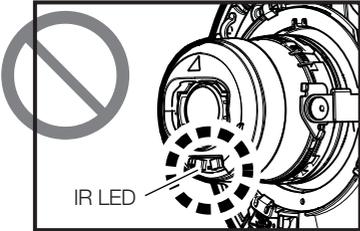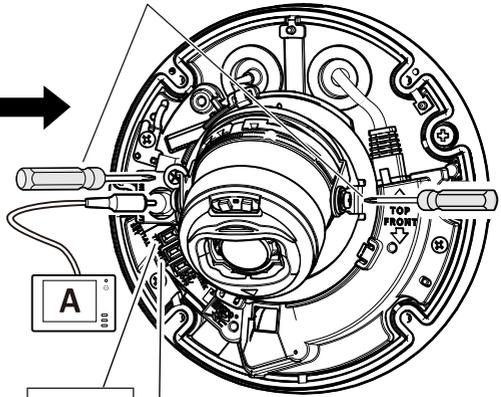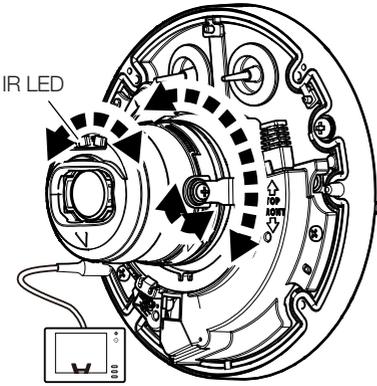
**Wall**

!

Recommended tightening torque:
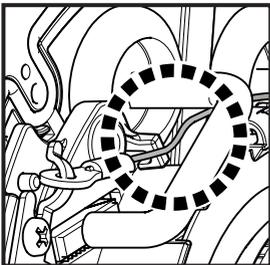0.59 N·m {0.44 lbf·ft}

IR LED

TOP
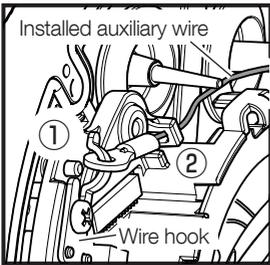FRONT

A

TOP
FRONT

A

TELE+AF

WIDE+AF

S257V2L  S257V2LN  S257V2LG

• Operating Instructions
  "Image rotation → 180°"

IR LED

!

Recommended
tightening torque:
0.78 N·m {0.58 lbf·ft}

③

Installed auxiliary wire

①  ②

Wire hook

③

Projection of the base cover
(2 places)

When using an I/O cable
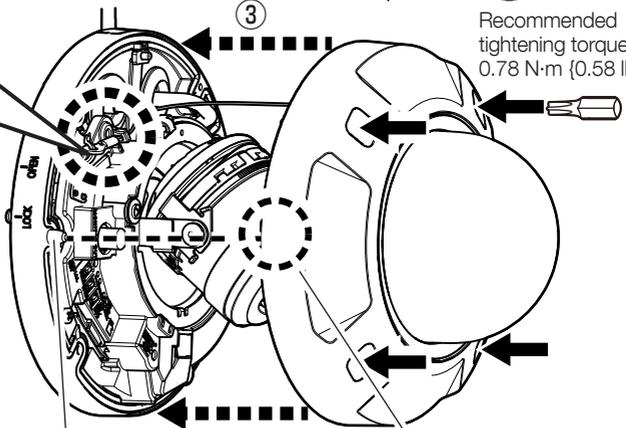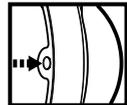
# Step 7

- Operating Instructions
  "Focus adjustment"
- Technical information website
  "IP Setting Software"
  <Control No.: C0123>
  or
  "i-PRO Configuration Tool (iCT)"
  <Control No.: C0133>

  "Extra optical zoom"
  <Control No.: C0124>

  "Camera images that appear to overlap"
  <Control No.: C0128>