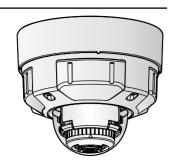


Installation Guide Included Installation Instructions



Network Camera | For professional use only |

Model No. WV-X2571LN Outdoor use



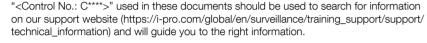
About the user manuals

roduct 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 website): Provides information about
- "Precautions for use" and "Detail specifications".

 Operating Instructions (in the following website): Explains how to perform the settings and how to operate this camera.

 https://i.org.com/global/en/suggellance/documentation_database



• Before attempting to connect or operate this product, please read these instructions

scope that will not interfere with normal use due to improvement of the product.

- carefully and save this manual for future use.
- SDXC/ SDHC/ SD memory card is described as SD memory card.
- The external appearance and other parts shown in this manual may differ from the actual product within the

For U.S. and Canada:

i-PRO Americas Inc.

https://www.i-pro.com/

For Europe and other countries:

i-PRO Co., Ltd. Fukuoka, Japan https://www.i-pro.com/

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

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



PGQX2421XA Cs0920-2042

Printed in China

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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.

eauipment.

For U.S.A.

NOTE: This equipment has been tested and found to FCC CAUTION: Changes or modifications not 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.

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

Méthode

Vis de La capacité de fixation traction minimale d'installation recomrequise mandée Quand la caméra vidéo est directement M4/ 4 él. | 196 N {44 lbf} installée au plafond ou sur le mur.

Texas 77064 Support Contact: 1-800-513-5417

Trade name : i-PRO

Responsible Party

i-PRO Americas Inc.

Model No.: WV-X2571LN

- For U.S.A. and Canada This device complies with part 15 of FCC Rules and Innovation, Science and Economic Development

expressly approved by the party responsible for com-

pliance could void the user's authority to operate the

Supplier's Declaration of conformity

8550 Fallbrook Drive, Suite 200 Houston,

Canada's licence-exempt RSS(s). 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.

Le présent appareil est conforme à la partie 15 des règles de la FCC et aux normes des CNR d'Innovation. Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions sui vantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

- The DC power supply connected to the camera must
 This product is not suitable for use in locations where 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) or limited power source (IEC/EN/UL/
- CSA 60950-1 or IEC/EN/UL/CSA 62368-1 Annex Q). Before attempting to connect or operate this
- product, please read these instructions carefully.

This product is a professional equipment.

- children are likely to be present. . Do not install this product in locations where ordinary
- persons can easily reach.
- For information about screws and brackets required for installation, refer to the corresponding section of this document.
- Direct current symbol ___

Precautions

Consult the dealer for repair.

■ 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.

Notice:

■ 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 SD 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.

■ 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.

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

■ Select an installation area that can support the total weight.

■ 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 a wall or a ceiling 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 hightemperature parts of the product may cause burns.

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

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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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 a ceiling or wall according to Installation Guide

■ Installation area for this product

- Select an appropriate place for the installation area (such as a strong wall or ceiling) 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 or WV-Q7118: Sun Shade".

■ 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.

■ Heater unit

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 0°C (32 °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 (3-15/16 inches) 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

Troubleshooting

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

Specifications* *For further information, refer to the Basic Information. PoE (IEEE802.3af compliant) 980 mA/Approx. 11.8 W

Power source Power consumption * PoE DC 48 V: 260 mA/Approx. 12.5 W (Class 0 device) Ambient operating temperature: | -40 °C to +60 °C *2 {-40 °F to +140 °F} Power On range: -30 °C to +60 °C {-22 °F to +140 °F}) Ambient operating humidity: 10 % to 100 % (no condensation) Storage environment Storage temperature: -30 °C to +60 °C {-22 °F to +140 °F}

Storage humidity: 10 % to 95 % (no condensation) VBS: 1.0 V [p-p]/75 Ω, composite, ø3.5 mm mini jack Monitor output An NTSC or PAL signal can be outputted from camera (for adjustment): (either press the INITIAL SET switch quickly (within 1 second) or use

software to select NTSC or PAL signal). EXT I/O terminals: (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1) ALARM IN2 (Alarm input 2/ ALARM OUT) (x1) ALARM IN3 (Alarm input 3/ AUX OUT) (x1) Audio input: ø3.5 mm stereo mini jack

For microphone input: Recommended applicable microphone: Plug-in power type (Sensitivity of microphone: -48 dB±3 dB (0 dB=1 V/Pa, 1 kHz)) Input impedance: Approx. 2 k Ω (unbalanced) Supply voltage: 2.5 V ±0.5 V For line input: Input level: Approx. -10 dBV Audio output *3: ø3.5 mm stereo mini jack (Audio output is monaural.) Output impedance: Approx. 600 Ω (unbalanced)

Output level: -20 dBV IP66 (IEC 60529), Type 4X (UL50E) Waterproof *4 NEMA 4X compliant Shock resistance: 50 J (IEC 60068-2-75 compliant), IK10 (IEC 62262) Up to 40 m/s {approx. 89 mph} Wind resistance:

> When using base bracket: ø164 mm × 139 mm (H) {ø6-15/32 inches × 5-15/32 inches (H)} Dome radius 42 mm {1-21/32 inches} When using attachment plate only: | ø154 mm × 103 mm (H) {ø6-1/16 inches × 4-1/16 inches (H)}

When using attachment plate only: Approx. 1.2 kg {2.65 lbs} Aluminum die cast, i-PRO white Main body: Outer fixing screws: Stainless steel (Corrosion-resistant treatment) Polycarbonate resin (with ClearSight coating), Clear Dome cover:

Approx. 1.6 kg {3.53 lbs}

. 1 pc.

. 1 pc.

. 1 pc.

. 1 pc.

consumption information *2 When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +50 °C

*1 Refer to our support website <Control No.: C0106> for further information about Power source and Power

*3 This camera is not equipped with the function to change the audio output to the monitor output. *4 Only when installation work is properly performed according to the Installation Guide and appropriate

Dome radius 42 mm {1-21/32 inches}

When using base bracket:

Tamper-resistant enclosure*5

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*1

Dimensions:

Finish:

Others:

Dome cover (Smoke type) WV-CW7S Ceiling mount bracket: WV-Q105A*2 WV-Q7118 Dome cover Sun shade (Light gray): (Smoke type with ClearSight coating): WV-CW7SN Sun shade (i-PRO white): WV-QSR500-W <i-PRO white*3> <Fine silver*3> <Light gray*3> Ceiling mount bracket: WV-QEM500-W WV-Q169A WV-QCL501-W WV-Q121B WV-Q178 Ceiling mount bracket: WV-QWL501-W WV-Q185 Wall mount bracket WV-Q122A WV-QAT500-W WV-Q179 Attachment pipe bracket: WV-Q123A Mount bracket: WV-QSR501-W WV-Q124 WV-Q186 Pole mount bracket: WV-QPL500-W WV-Q188 WV-Q182 WV-QCN500-W WV-Q189 WV-Q183 Corner mount bracket:

WV-QWL500-W WV-QWL500-G Wall mount bracket: *1 Refer to our support website <Control No.: C0501> for further information about optional accessories.

*2 This product can only be installed indoors when WV-Q105A is used to install it on the ceiling.

*3 Refer to our support website <Control No.: C0112> for further information about combinations of each

Standard accessories

.. 1 pc. Code label*1 Installation Guide (this document). IMPORTANT SAFETY INSTRUCTIONS *1 This label may be required for network management. Use caution not to lose this label.

The following parts are used during installation procedures. Base bracket... .. 1 pc. Template A (for the attachment plate)... .1 sheet . 1 pc. Template B (for the base bracket) ... Attachment plate.. .1 sheet Fixing screw for attachment plate Waterproof tape..

(of them, 1 for spare) 2P power cable ..

. 5 pcs. 4P alarm cable

.... 1 pc. MONITOR OUT conversion plug... RJ45 waterproof connector cover ... RJ45 waterproof connector cap 1 pc. Rain wash coating label .. Bit (Hex wrench, screw

Other items that are needed (not included)

 $(M4 \times 8 \text{ mm } \{5/16 \text{ inches}\})$.

size 6.35 mm {1/4 inches} T20).

bracket.

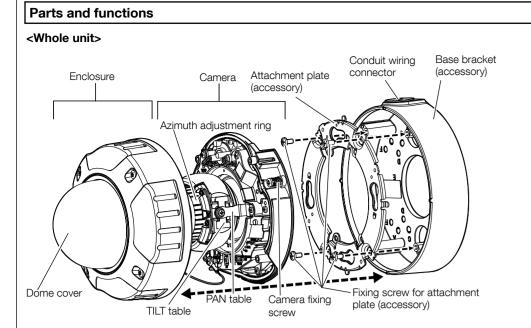
Installation method	Recommended screw*1	Minimum pull-out strength*2
Junction box : Mount the camera on the two-gang junction box using the attachment plate		
Directly mount : Directly mount the camera onto the ceiling or wall using the attachment plate	M4/ 4 pcs.	196 N {44 lbf}
Base bracket : Mount the camera onto the ceiling or wall using the base bracket		
Mount the camera using the exclusively designed mount bracket.	Refer to the operating instructions of each bracket	

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.

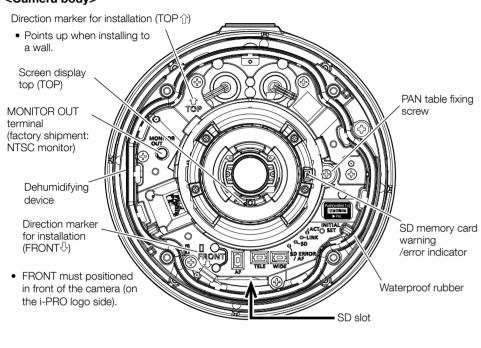
*2 For information about the minimum pull-out strength, refer to our support website <Control No.: C0120> • RJ45plug, Ethernet cable (category 5e or better, straight, all 4 pairs (8 pins))

• As necessary, audio input cable, audio output cable, alarm I/O cables, power supply cable

Tools



<Camera body>



■ Indicators

Lighting/blinking LED can be turned off with the software settings at any time. (The initial state is lighting or blinking.) Refer to the Operating instructions for information about settings

Title to the operating instructions for information about settings.	
LINK indicator	1.1.
When the camera is able to communicate with the connected device	Lights orange
ACT indicator	
When data is being sent via the network camera	Blinks green (accessing)
SD (MOUNT) indicator	
When an SD memory card is inserted and could be recognized	Lights off → Blinks green → Lights off
When data can be saved after the SD memory card is inserted and the SD ON button is pressed (less than 1 second)	/OFF Lights off → Lights green
When data can be saved to the SD memory card	Lights green
When the SD memory card is removed after holding down the SD ON/OFF button (about 2 seconds) (rec	ording) Lights green → Blinks green → Lights off
(waiting for rec	ording) Lights green → Lights off
When data cannot be saved to the SD memory card because an abnormality v detected or the SD memory card is configured not to be used	vas Lights off
SD ERROR/AF indicator	
When AF (Auto Focus) operation is being executed	Blinks red (Interval of 1 time/ second)
When the network camera is being started	Lights red

When the network camera is being started When an SD memory card is recognized normally Lights red → Lights off When the SD slot is not used or an abnormality is detected in SD memory card after Lights red \rightarrow Stays red the camera has started

SD memory card warning/error indicator (off in the initial state) When a warning status is detected

(SD memory card warning detection conditions: After the total use time has exceeded 6 years and the number of overwrite times has exceeded 2000) When an error status is detected

Blinks red (SD memory card error detection conditions: Write error, read error, etc.)

Lights red

■ Buttons • INITIAL SET button (Initializing / NTSC ⇔ PAL switch button)

Follow the steps below to initialize the network camera. Retry if the camera does not start up normally. When the INITIAL SET button is pressed (less than 1 second), the MONITOR OUT terminal can be switched for the NTSC monitor ⇔ PAL monitor. The monitor out is set to NTSC in the default settings of the camera.

The camera will start up Turn off the urn on the power of the Make sure 2 minutes and the settings including 15 seconds power of camera while pressing to release the network settings will the camera the INITIAL SET button* the button

*Do not turn off the power of the camera during the process of initialization. Otherwise, it may fail to initialize and may cause malfunction.

- When the SD ON/OFF button is pressed (less than 1 second), the SD (MOUNT) indicator lights up in green and data can be saved to the SD memory card.
- · When the SD ON/OFF button is held down (about 2 seconds), the SD (MOUNT) indicator lights off and the SD memory card can be removed.
- AF button Press the AF button to automatically adjust the focus
- TELE button Press the TELE button to adjust the zoom ratio to the "Tele" side.
- WIDE button Press the WIDE button to adjust the zoom ratio to the "Wide" side.

Step1 Processing the installation surface (process according to the installation type)

{3-9/32 inches

83.5 mm

Cable access hole

25.4 mm {ø1 inch

{1-13/16 inches}

46 mm {1-13/16" }

介TOP

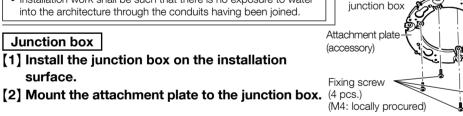
4×M4

Attach the attachment plate (accessory) so that the marking (part number) faces toward the ceiling or wall to be installed.

• If open wiring is conducted, be sure to use conduits and run the cables inside the tubes to protect the cables from direct sunlight.

IMPORTANT:

Installation work shall be such that there is no exposure to water



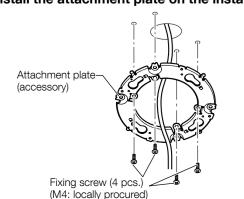
Directly mount

[1] Drill a hole in the installation surface using template A (accessory). (4 screw holes / 1 cable access hole)

Note:

• When installing on a wall, make a hole so as to face the TOP mark of the template to the

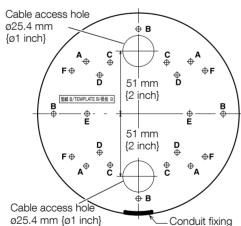
• When installing on a ceiling, make a hole so as to face the UFRONT mark of the template to the front side of the camera (in the direction of i-PRO logo). • If you want to be able to change the direction of the camera after installation, drill through a 73 mm {2-7/8 inches} diameter hole in **⊕FRONT** the center. By doing so you can adjust the mounting direction of the camera in 90° increments. Cable access hole [2] Install the attachment plate on the installation surface. ø73 mm {ø2-7/8 inches}

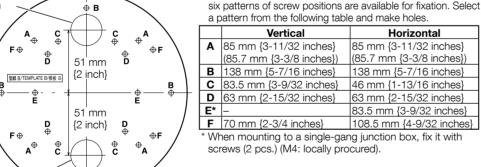


Base bracket

[1] Make a hole on the installation surface using template B (accessory). (Screw holes (M4:4 places) / Cable access hole (1 place))

No cable access hole is needed when using conduit





 Select either of the two cable access holes of template B to proceed with the installation work.

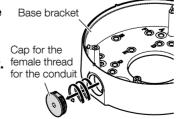
 After mounting the attachment plate, the mounting direction of the camera can be adjusted in 90° increments

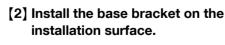
• Depending on the condition of the ceiling or the wall surface,

Horizontal

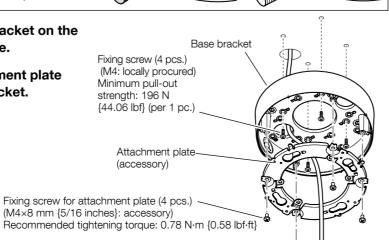
When using a conduit Remove the cap for the female Base bracket

thread for the conduit using a 5 mm {3/16 inches} hexagon wrench and attach the conduit. female thread The female thread for conduit is compliant with ANSI NPSM (parallel pipe threads) 3/4 or ISO 228-1 (parallel pipe threads) G3/4.





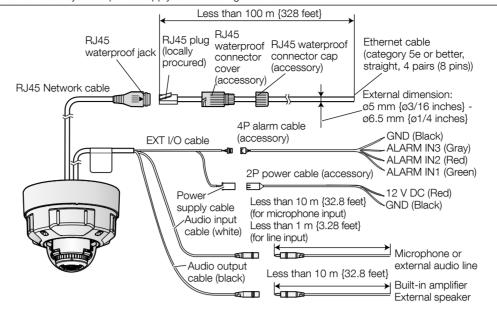
(3) Mount the attachment plate onto the base bracket.



Step2 Making connections

IMPORTANT:

- · Devices to which power can be supplied to this product are PoE hub, PoE power supplying equipment, and external 12 V DC power supply.
- Turn off each system's power supply before making a connection.



■ How to connect a RJ45 waterproof connector

Insert the RJ45 plug

____ Alian "▶" with "⊲" and then

∏ rotate until "▶" aligns with "⇔"

■ Waterproof treatment for external I/O cables, power supply cables, audio input cables, and

Stretch the waterproof tape (accessory) by approx.

twice its length and wind it tightly around the cable.

• At the start and end winding points, make the tape

For the above 4 types of cables, even if they are not

used, waterproofing treatment must be performed on

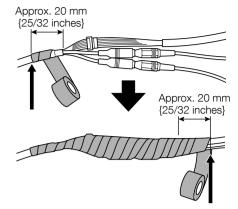
overlaps the external covering parts by approx.

gap is present

Wire and caulk

IMPORTANT:

- When removing the RJ45 waterproof connector, be sure to remove it with the reverse procedure of connection.
- When connecting both the 12 V DC power supply and the PoE device for power supply, 12 V DC will be used for power supply.
- When the Ethernet cable is disconnected once, reconnect the cable after around 2 seconds. When the cable is quickly reconnected, the power may not be supplied from the PoE device.



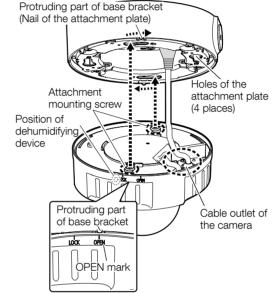
 Install the connector and cable connection parts in locations where they aren't regularly exposed to rain or water.

Step3 Mount the camera

- [1] Align the OPEN mark of the side of the camera with the protruding part of the base bracket, insert the attachment mounting screws (2 places) into the attachment plate, rotate the camera by approx. 15° and temporarily fix it.
 - When directly attaching the attachment plate to a ceiling or wall, align the OPEN mark to the nail of the attachment plate.

IMPORTANT:

- When mounting to a wall, mount so that cable outlet of the camera faces up.
- For installation on the wall, install the camera with the dehumidifying device in a sideways or downward position. In a face-up position, the dehumidifying device doesn't work well as water accumulates on the surface.



TILT table fixing

Azimuth (YAW)

[2] Loosen enclosure fixing screws (4 places) using the bit (accessory), and remove the enclosure from the camera.

IMPORTANT:

procured).

audio output cables

20 mm {25/32 inches}

the connector parts

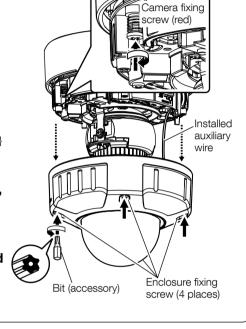
IMPORTANT:

 Enclosure is fixed to the camera body by the installed auxiliary wire, so please do not remove it

attachment plate [3] Secure the camera by tightening the camera fixing screw (red). Recommended tightening torque: 0.78 N·m {0.58 lbf·ft}

> [4] Connect the MONITOR OUT conversion plug (accessory) to the MONITOR OUT terminal of the camera, and then connect the monitor for adjustment with a pin cable (locally

[5] If necessary, insert an SD memory card by referring to "Insert / remove an SD memory card".



TELE button

Step4 Adjustment

[1] Turn on the power for the camera and remove the protection film from the

PAN table fixing screw with

- [2] Adjust the camera direction.
- 1 Loosen the PAN table fixing screw with washer and the cross-head side of TILT table
- fixing screw (on one side). (2) Adjust the angle of the camera while watching the adjustment monitor. Horizontal (PAN) angle: ±180° Vertical (TILT) angle: -30° to +85° Azimuth(YAW) angle: ±100°

- When mounting the camera on a wall. adjust after rotating the PAN table by 180° to the left.
- When using the camera at a vertical position where the camera lens is nearly horizontal, part of the image may appear to be overlapped, part of the camera may be visible, and reflection from IR rays may appear on the screen when viewing images at night. To prevent this, decrease the vertical position angle or adjust the zoom ratio.
- 3) Fix the camera unit by tightening the crosshead side of TILT table fixing screw (on one side) and the PAN table fixing screw with Recommended tightening torque: 0.59 N·m
- (PAN) angle Vertical (TILT angle (IR LED: 2 places)/ Azimuth adjustment ring

(3) Adjust the zoom and focus.

- While watching the screen, adjust the zoom ratio using the TELE button and the WIDE button and adjust the focus by pressing the AF (auto focus) button
- Readjust the angle of the camera with the PAN table, TILT table, and azimuth adjustment ring if necessary

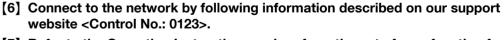
• When the resolution is set to higher than 1280×720, image quality may deteriorate depending on the zoom ratio. Refer to our support website < Control No.: C0124> for further information.

[4] Disconnect the MONITOR OUT conversion plug (accessory). Attach the enclosure and secure it by using a bit (accessory) to tighten Waterproo the enclosure fixing screws (4 places). Attach the enclosure by aligning the LOCK mark to the lacktriangledown

mark on the camera body Recommended tightening torque: 0.78 N·m {0.58 lbf·ft}

 Make sure that the waterproof rubber is not detached from the groove.

[5] After complete installation, remove the protection film from the dome cover and attach the rain wash coating label (accessory) to the external part, etc. of the camera.



Enclosure

(4 places)

Enclosure fixing screw

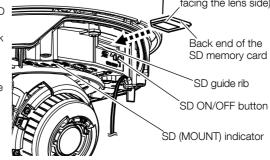
Dome cover

[7] Refer to the Operating Instructions and perform the auto focus function from the setup menu.

Insert / remove an SD memory card

■ Insert an SD memory card

- (1) Remove the enclosure from the camera. (2) Insert the SD memory card into the end of the SD slot and confirm that a clicking sound is made.
- 3 Take your finger off the SD memory card and check that the back end of SD memory card does not protrude over the upper part of the SD guide rib. 4 After the SD memory card has been inserted,
- press the SD ON/OFF button, and make sure the SD (MOUNT) indicator is continually lit. (If you do not press the SD ON/OFF button after inserting the SD memory card, the SD (MOUNT) indicator is automatically lit approximately 5 minutes later.) **(5)** Attach the enclosure to its original position.



■ Remove an SD memory card

When removing an SD memory card, reverse the procedure for inserting an SD memory card. Press and hold the SD ON/OFF button for approx. 2 seconds, and then remove the SD memory card after checking that the SD (MOUNT) indicator has changed from blinking to off.

IMPORTANT:

Before turning off the camera power switch, make sure that the SD (MOUNT) indicator is turned off.

- When using an SD memory card, format it using this product. Refer to the Operating Instructions for how to format an SD memory card.
- Use compatible SD memory cards. Refer to our support website < Control No.: C0107> for latest information about the compatible SD memory cards.

SD memory card (with the label side

