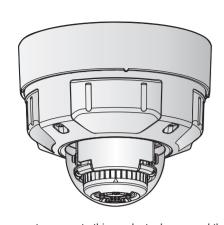


Installation Guide

Included Installation Instructions

Network Camera

Model No. WV-S2570L





- Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use
- For information about the basic description of this product, refer to the Important Information on the provided CD-ROM. For information about how to perform the settings and how to operate the camera, refer to the Operating Instructions on the following our support website. https://i-pro.com/global/en/surveillance/documentation_database
- Before reading this manual, be sure to read the Important Information.

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

Ns0419-2042 PGQX2295XA Printed in China

Important safety instructions

1) Read these instructions.

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- 2) Keep these instructions
- 3) Heed all warnings.
- 4) Follow all instructions
- 5) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 6) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
- 7) Only use attachments/accessories specified by the manufacturer
- 8) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 9) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 10) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Troubleshooting

Before requesting service, refer to "Troubleshooting" of Important Information in the CD-ROM and Operating Instructions on our support website. Then, confirm the trouble

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
- Refer to the "readme.txt" file on the provided CD-ROM for further information about open source software licenses and the source code
- Please note that we shall not respond to any inquiries regarding the contents of the source code.

Caution:

- A READILY ACCESSIBLE DISCONNECT DEVICE SHALL BE INCORPORATED TO THE EQUIPMENT POWERED BY 12 V DC POWER SUPPLY.
- ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1).

WARNING

- To prevent injury, this apparatus must be securely attached to the wall/ceiling in accordance with the installation instructions
- All work related to the installation of this product should be made by qualified service personnel or system installers.
- The installation shall be carried out in accordance
- with all applicable installation rules. The connections should comply with local electri-
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunlight, fire or the like.

CAUTION:

• The network camera is only intended for a connection to an ethernet or PoE network without routing to the outside plant.

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

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.

: Direct current symbol

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

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-S2570L Responsible Party i-PRO Americas Inc.

at his own expense.

8550 Fallbrook Drive, Suite 200 Houston, Texas 77064 Support Contact: 1-800-513-5417

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

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



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.

About the user manuals

Product documentation is composed of the following documents.

- Installation Guide (this document): Explains installation, mounting, cable connections, and adjusting
- Important Information (included in the CD-ROM): Provides basic information about the product such as Precautions for installation, Parts and functions, etc.
- . Operating Instructions (on our support website): Explains how to perform the settings and how

"<Control No.: C****>" used in this document should be used to search for information on our support website and will guide you to the right information.

Note:

• 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

Standard accessories

- *1 The CD-ROM contains the several kind of operating instructions and different kinds of tool software pro-
- *2 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
(M4 × 8 mm {5/16 inches})
Template A (for the attachment plate)

RJ45 waterproof connector cover 1 pc. RJ45 waterproof connector cap. 1 pc. Bit (Hex wrench, screw size 6.35 mm {1/4 inches} T20) 1 pc. 4P alarm cable 1 pc. 2P power cable 1 pc. MONITOR OUT conversion plug. 1 pc.







MONITOR OUT conversion plug



Preparations

Prepare the required parts for each installation method before starting the installation. The following are the requirements for the various installation methods

- For information about the minimum pull-out strength, refer to our website (https://i-pro.com/global/en/surveillance/training_support/support/technical_information
- <Control number:C0120>)
- Procure 4 screws (M4) to secure the attachment plate (accessory) or the base bracket (accessory) to a ceiling or a wall.
- The minimum required pull-out capacity of a single screw or anchor bolt is 196 N {44 lbf} or more when mounting with the installation method [Type 1], [Type 2], or [Type 3] described in the right table.
- 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.
- If the mounting location such as plaster board is too weak to support the total weight, the area shall be sufficiently reinforced.

Making connections

• This product can only be installed indoors when WV-Q105A or WV-Q169A is used to install it on the ceiling.

10115		
Installation method	Description of installation method	
Mount the camera on the two-gang junction box using the attachment plate (accessory).	[Type 1]	
Directly mount the camera onto the ceiling or wall using the attachment plate (when wiring can be installed in the ceiling or wall).	[Type 2]	
Mount the camera onto the ceiling or wall using the base bracket (accessory) (when conduits are used for wiring, or when there is no space available for wiring in the ceiling or the wall).	[Type 3]	
Mount the camera on the ceiling or wall by combining of the optional bracket. ⇒ Refer to our website (https://i-pro.com/global/en/surveillance/training_ support/support/technical_information <control c0112="" number:="">) for information on a combination of brackets necessary for installation.</control>	Refer to each instruction guide of the bracket.	

Configure the network settings

[Type 2] Directly mount the camera onto the ceiling or wall using the attachment plate

Align the FRONT direction of the template A (accessory) with the desired direction, and drill

through four holes to attach the attachment plate and a 25.4 mm {1 inch} diameter hole to

pass through the cables. Then, attach the attachment plate to the ceiling or wall. The direc-

{\pi_2-7/8 inches}

Fixing screws for at-

tachment plate (4pcs.)

(M4: locally procured)

tion of the marker "FRONT \bar{\partial}" on the camera (see the figure in [4] of "Step 3 Mount the

ÿ25.4 mm

*1 If the mounting direction of the camera is not determined yet or if you want to change

If you want to be able to change the direction of the camera, drill through a 73 mm {2-7/8 inches} diame-

ter hole in the center. By doing so you can adjust the mounting direction of the camera in 90° increments.

Installation

• Remove the camera using the reverse order of the installation procedures. The installation tasks are explained using 5 steps. Step4 Step1 Step2 Step3 Step5

Adjustment

83.5 mr

{3-9/32 inches}

Mount the camera

Step 1 Fixing the brackets (There are 3 methods to install the camera to a ceiling or wall.)

[Common]

{3-9/32 inches}

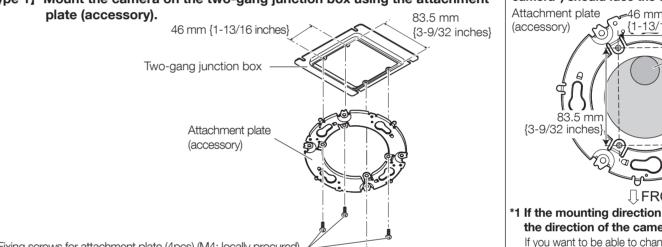
{Ø1 inch}

Fixing the brackets

Note:

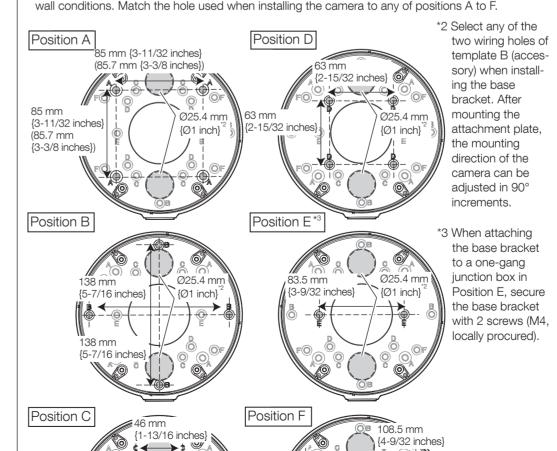
• Attach the attachment plate (accessory) so that the marking (part number) faces toward the ceiling or wall to be installed.

[Type 1] Mount the camera on the two-gang junction box using the attachment 83.5 mm 46 mm {1-13/16 inches}



Fixing screws for attachment plate (4pcs) (M4: locally procured) [Type 3] Mount the camera to a ceiling or a wall using base bracket (accessory).

①Using the template B (accessory), make screw holes for fixing the base bracket and wiring holes. The base bracket can be fixed in any of the following 6 screwing positions according to ceiling and



{Ø1 inch}

{2-3/4 inches}

②When using the conduit on the ceiling or wall for wiring, remove the cap for the female thread for the conduit by using a hexagon wrench (ISO 2936, width across flats S=5 mm {3/16 inches}).

camera") should face the desired direction of the camera.

{1-13/16 inches}

 Π FRONT

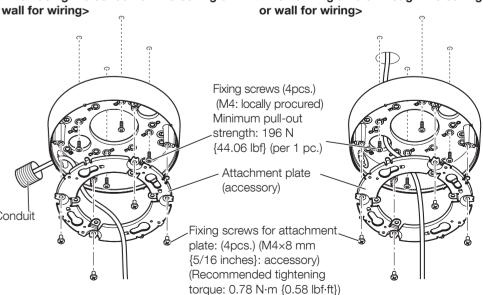
the direction of the camera after it has been installed

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

Cap for the female thread for the conduit

(3) Mount the base bracket and the attachment plate

<When using the conduit on the ceiling or <When drilling a hole through the ceiling or wall for wiring> wall for wiring>

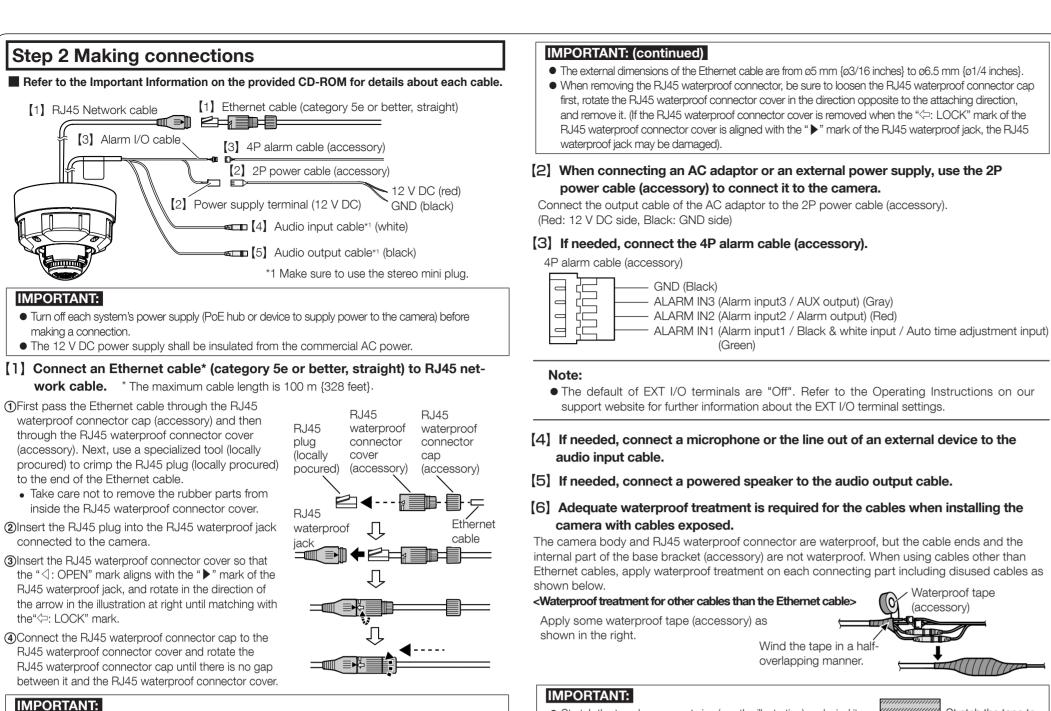


IMPORTANT:

- If open wiring is conducted, be sure to use conduits and run the cables inside the tubes to protect the cables from direct sunlight.
- Installation work shall be such that there is no exposure to water into the architecture through the conduits having been joined..



Base bracket (accessory)



• If the procedure for the RJ45 waterproof connector (accessory) part is not correctly followed, the

[2] Loosen 4 enclosure fixing screws

the enclosure from the camera.

Enclosure is fixed to the camera body

(3) Secure the camera by tightening

the camera fixing screw (red).

Be sure to tighten the camera fixing

(Recommended tightening torque:

screw. Failure to observe this may cause camera trouble due to camera falling.

Camera fixing

screw (red)

Enclosure fixing

screws (4 places)

by the installed auxiliary wire, so

please do not remove it.

0.78 N·m {0.58 lbf·ft})

Bit (accessory)

IMPORTANT:

IMPORTANT:

waterproofing may be compromised. Do not install the camera where the RJ45 waterproof

connector is exposed to constant rain or moisture.

Step 3 Mount the camera

[1] Align the OPEN mark of the side of

the camera with the protruding part

of base bracket, insert 2 attachment

mounting screws into the attach-

ment plate, and rotate the camera

is moved to the protruding part of

base bracket and the camera is

approximately 15°. The LOCK mark

temporarily secured. (When directly

attaching the attachment plate to a

ceiling or wall, align the OPEN mark

to the nail of the attachment plate.)

• For installation on the wall, install the camera

with the ventilation opening in a sideways or

Holes of the

(4 places)

attachment plate

downward position. In a face-up position, the ventilation opening doesn't work well as

water accumulates on the surface

(Nail of the attachment plate)

Protruding part of base bracket

OPEN mark

LOCK OPEN

 \cup \cup

IMPORTANT:

Protruding part of

base bracket

Attachment

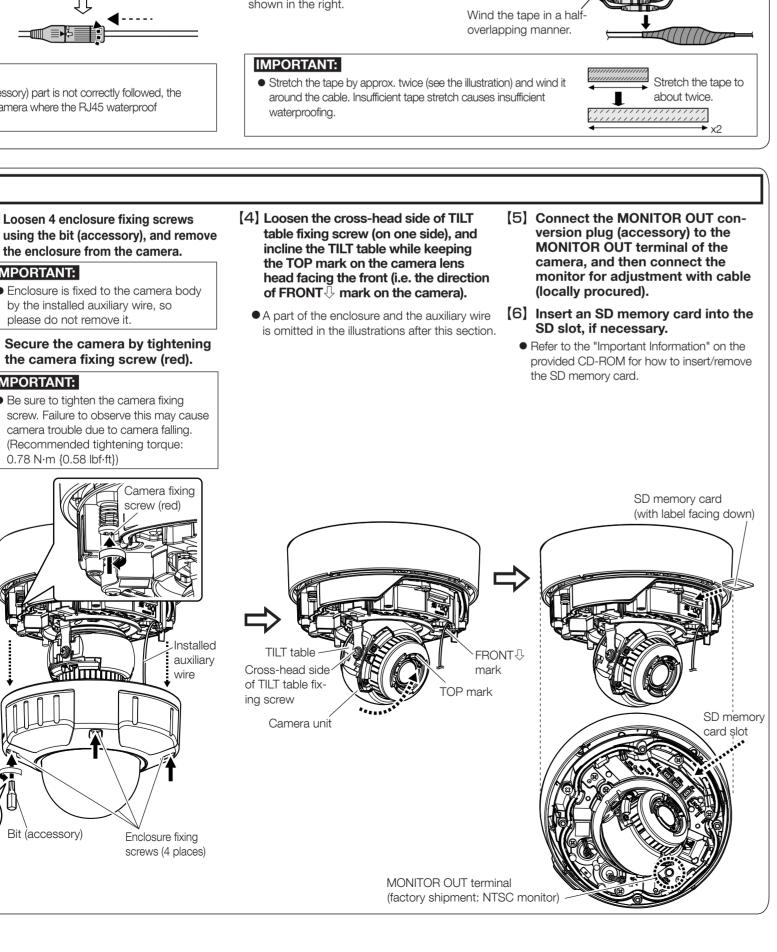
Position of

ventilation

opening

mounting screws

[2] Loosen the PAN table fixing screw. Note: • When mounting the camera on a ceiling, adjust the TILT angle so that the TOP mark above the lens always comes to the top side. • When mounting the camera on a wall, rotate the PAN table by 180° to the left and rotate the TILT table till the TOP mark above the lens always comes to the top side. [3] Tighten the cross-head side of TILT PAN table fixing screw with washer Horizontal (PAN) angle



[4] Adjust the zoom and focus.

- 1 Adjust the viewing angle by pressing the WIDE or TELE buttons.
- 2 Adjust the focus by pressing the AF(auto focus) button.
- 3 Adjust the screen size and focus by repeating steps (1) and (2). Readjust the angle of the camera with the PAN table, TILT table, and azimuth adjustment ring if necessary.

Note:

WIDE button

 When using the camera at a vertical position angle of 75° or more (a position where the camera lens is nearly horizontal), part of the image may appear to be overlapped due to influence from the dome cover. To prevent overlapping, decrease the vertical position angle or adjust the zoom ratio

TELE button

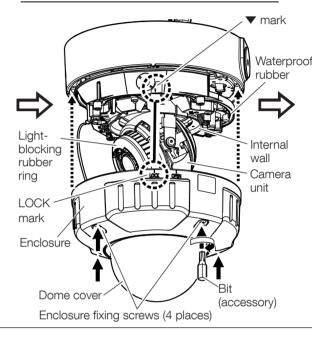
[5] Disconnect the MONITOR OUT con- [6] After complete installation, version plug (accessory). Attach the enclosure and secure it by using a bit (accessory) to tighten the enclosure fixing screws (4 places). Aline the ▼ mark on the camera body with the LOCK line on the enclosure and then mount the enclosure to the camera body at a straight angle. (Recommended tightening torque: 0.78 N·m {0.58 lbf·ft})

IMPORTANT:

 Mount the enclosure after checking that the waterproof rubber installed in the groove around the camera body has not come off the groove.

Note:

- The light-blocking rubber ring may be stretched depending on the TILT angle. This does not have effects on light-blocking performance.
- Push the wires from the camera unit into the camera body so that they do not come out from the internal wall of the camera body.



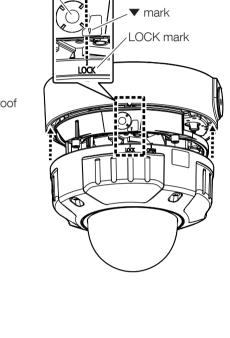
* There is a ventilation opening inside the enclosure. Do not caulk (fill the clearance between the enclosure and the ceiling or wall with sealants or other materials) as

remove the protection film from

the dome cover.

internal humidity is discharged through this ventilation opening. Water does not come inside. Protruding part

Ventilation of the base bracket (Nail of the attachment plate)



Step 5 Configure the network settings

Step 4 Adjustment

the camera lens.

muth adjustment ring.

Horizontal (PAN) angle: ±180°

Azimuth (YAW) angle : ±100°

Vertical (TILT) angle : -30° - +85°

[1] Turn on power for the camera and

then remove the protection film from

Adjust the angle of the camera with

table fixing screw (on one side) and

TILT table fixing screw

TILT table

the PAN table fixing screw, and fix

(Recommended tightening torque:

the camera unit.

Vertical

(TILT) angle

Azimuth adjustment ring

0.59 N·m {0.44 lbf·ft})

the PAN table, TILT table, and azi-

Download and start [IP Setting Software] < Control No.: C0123> or [i-PRO Configuration Tool (iCT)] <Control No.: C0133> on our technical information support site (https://i-pro.com/global/en/ surveillance/training_support/support/technical_information), and connect to the network.

auxiliary wire

Azimuth (YAW) angle