# **Panasonic**

# Installation Guide

**Included Installation Instructions** 



## **Network Camera**

Model No. WV-S2231L / WV-S2211L WV-S2131L / WV-S2131LRF WV-S2131LEG / WV-S2131 WV-S2130 / WV-S2111L / WV-S2110





- 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 provided CD-ROM.
- The model number is abbreviated in some descriptions in this manual.

### For U.S. and Canada:

Panasonic i-PRO Sensing Solutions Corporation of America 800 Gessner Rd, Suite 700 Houston, TX 77024 https://www.security.us.panasonic.com/

Panasonic Canada Inc. 5770 Ambler Drive, Mississauga, Ontario, L4W 2T3 Canada

https://www.panasonic.com/ca/

© Panasonic i-PRO Sensing Solutions Co., Ltd. 2019

Fukuoka, Japan

For Europe and other countries:

Panasonic i-PRO Sensing Solutions Co., Ltd.

Winsbergring 15, 22525 Hamburg, Germany

**Panasonic Corporation** 

Authorised Representative in EU:

Panasonic Marketing Europe GmbH

Panasonic Testing Centre

http://www.panasonic.com

Ns1016-7109 PGQX2085SA Printed in China

# Important safety instructions

- 1) Read these instructions
- Keep these instructions Heed all warnings
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Only use attachments/accessories specified by the manufacturer.
- 10) 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



- 11) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 12) 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,

# Troubleshooting

Before requesting service, refer to the Important Information (included in the CD-ROM) and "Troubleshooting" in the Operating Instructions (included in the CD-ROM) and confirm the

# **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
- 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 Panasonic shall not respond to any inquiries regarding the contents of the source

- To prevent injury, this apparatus must be securely attached to the wall/ceiling in accordance with
- To prevent fire or electric shock hazard, do not
- expose this apparatus to rain or moisture. The apparatus should not be exposed to drip-
- ping or splashing. 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 accor-
- dance with all applicable installation rules. The connections should comply with local electrical code
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunlight, fire or the like.

## **CAUTION:**

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The network camera is only intended for a connection to an ethernet or PoE network without routing to the outside plant.

For Canada

: Direct current symbol

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



: Hot surface symbol

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

Model No. Serial No.

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 com-

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: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this

### **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 municipality. 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 notations

The following notations are used when describing the functions limited for specified models. The functions without the notations are supported by all models.

S2131L :The functions with this notation are available when using the model WV-S2231L / WV-S2131L / WV-S2131LRF / WV-S2131LEG / WV-S2131.



:The functions with this notation are available when using the model WV-S2130 / WV-S2110. :The functions with this notation are available when using the model WV-S2211L / WV-S2111L.

# About the user manuals

Product documentation is composed of the following documents.

- Installation Guide (this document): Explains installation, mounting, cable connections, and adjusting the field of view. This manual uses the WV-S2111L as an example in the explanations.
- Important Information (included in the CD-ROM): Provides basic information about the product.
- . Operating Instructions (included in the CD-ROM): Explains how to perform the settings and how to operate this camera.

Adobe® Reader® is required to read these operating instructions on the provided CD-ROM. When the Adobe Reader is not installed on the PC, download the latest Adobe Reader from the Adobe web site

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

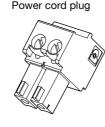
.1 set CD-ROM\*3 IMPORTANT SAFETY INSTRUCTIONS...... 1 pc. Code label\*4... Warranty card\*1 \*2 ... ....1 set

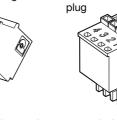
- 1 Excluding WV-S2131LRF and WV-S2131LEG.
- \*2 This product comes with several types of warranties. Each warranty is only applicable to the products purchased in the regions indicated on the relevant warranty.
- \*3 The CD-ROM contains the operating instructions and different kinds of tool software programs. \*4 This label may be required for network management. Use caution not to lose this label.

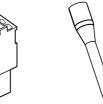
The following parts are used during installation procedur	res.
ttachment plate 1 pc.	MONITOR OUT conversion plug 1 pc
emplate A (for the attachment plate)	
Power cord plug*4 S2131L S2111L 1 pc.	Bit (WV-S2231L/WV-S2211L only)
xternal I/O terminal plug*5	(Hex wrench, screw size 6.35 mm {1/4 inches} T10) 1 pc
<b>S2131L S2111L</b> 1 pc.	











External I/O terminal Auxiliary handle





MONITOR OUT

\*5 The external I/O terminal plug and power cord plug are attached to the camera. S2131L S2111L

**Preparations** 

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

- Procure 4 screws (M4) to secure the attachment plate (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] or [Type 2] described in the
- 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.

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 in the ceiling using WV-Q174B ceiling mount brackets (approx. 280 g $\{0.62 \text{ lbs}\}$ ).*1	Refer to the Instruction Manual provided with the WV-Q174B.	
When mounting the camera on an insufficiently strong ceiling using the WV-Q105A ceiling mount brackets (approximately 150 g $\{0.33 \text{ lbs}\}$ )	Refer to the Instruction Manual provided with the WV-Q105A.	

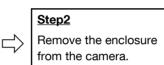
\*1 When using WV-Q174B camera ceiling mount bracket, if the built-in microphone port is blocked by the cover of bracket, the collectable volume may decrease and the sound of attic is likely to be collected by mistake. Therefore, please confirm the installation conditions before use. **\$2130** 

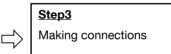


# Installation

The installation tasks are explained using 6 steps.

Step1 Fixing the attachment





 Remove the camera using the reverse order of the installation procedures. Step4 Mount the camera

Step5 Adjustment Configure the network settings

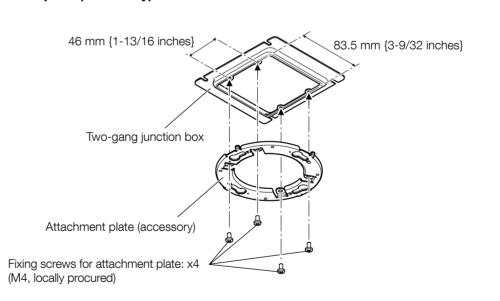
# Step 1 Fixing the attachment plate \*There are 2 methods to install the camera to a ceiling or wall.

### [Common]

# Note:

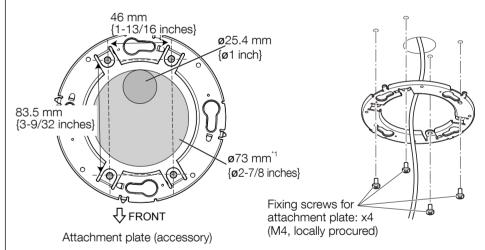
 Attach the attachment plate (accessory) so that the marking (part number) faces toward the ceiling or wall to be installed.

# [Type 1] Mount the camera on the two-gang junction box using the attachment plate (accessory).



## [Type 2] Directly mount the camera onto the ceiling or wall using the attachment plate (accessory).

Align the FRONT direction of the template A (accessory) with the desired direction, and drill through a 25.4 mm {1 inch} diameter hole to attach the attachment plate. Then, the direction of the marker "FRONT\\!" on the camera (see the figure in [3] of "Step 4 Mount the camera") should face the desired direction of the camera.



\*1 If the mounting direction of the camera is not determined yet or if you want to change the direction of the camera after it has been installed

If you want to be able to change the direction of the camera, drill through a 73 mm {2-7/8 inches} diameter hole in the center. By doing so you can adjust the mounting direction of the camera in 90° increments.

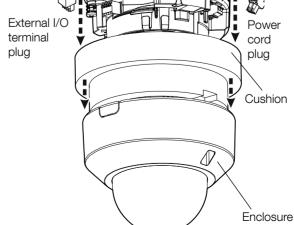
# Step 2 Remove the enclosure from the camera.

[1] Remove the enclosure and cushion from the camera.

WV-S2231L / WV-S2211L

• Do not remove the auxiliary wire.

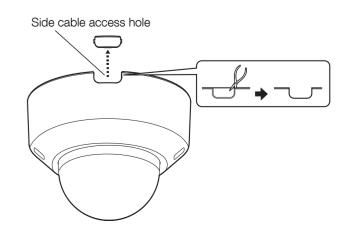
[2] Remove the power cord plug (accessory) and the external I/O External I/O terminal plug (accessory) attached to the camera. S2131L S2111L

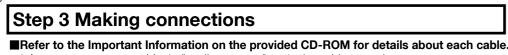


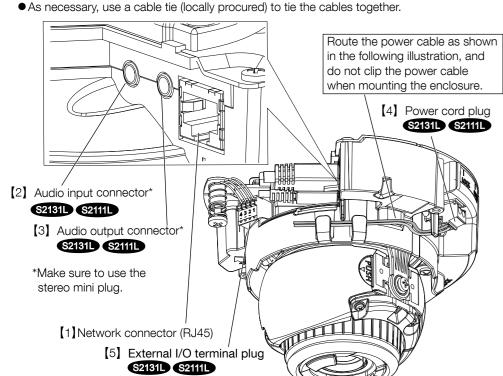
# Using the side cable access hole

When installing the camera directly on the ceiling or wall with cables exposed, or when mounting the camera using the ceiling mount bracket WV-Q174B (option), cut out a portion of the dome cover to open a cable access hole.

• To prevent injuries and protect the cables, finish the side cable access hole with a file to avoid sharp edges.

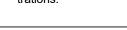






# Note:

 Since the connector storage section does not have a sufficient space, use audio cables S2131L S2111L and an Ethernet cable that do not exceed the sizes described in the illustrations.



**IMPORTANT:** 

• Turn off each system's power supply (PoE hub or device to supply power to the camera) before making a connection

Example of

- The 12 V DC power supply shall be insulated from the commercial AC power. **\$2131L \$2111L**
- [1] Connect an Ethernet cable (category 5e or better, straight) to the network
- [2] If needed, connect a microphone or the line out of an external device to the audio input connector. \$2131L \$2111L

### [3] If needed, connect a powered speaker to the audio output connector. S2131L S2111L

- The audio output can be switched to the monitor output. Refer to the "Operating Instructions" on the provided CD-ROM for descriptions of how to switch the output.
- [4] When connecting an AC adaptor or an external power supply, use the power cable plug (accessory) to connect it to the camera. S21311 S21111

### 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)
- (1) Loosen the screw of the power cable plug (accessory), strip 3 mm to 7 mm {1/8 inches to 9/32 inches} from the end of the wire, twist the stripped part of the wire sufficiently to avoid short circuit, and then connect the output cable to the power cable plug (accessory). When connecting an external power supply to the camera, use the 16 AWG to 24 AWG singlewired or stranded wired cables.
- ②Tighten the screw of the power cable plug (accessory). (Recommended tightening torque: 0.34 N·m {0.25 lbf·ft})
- 3 Connect the power cable plug to the camera.

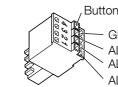
# [5] If needed, connect the alarm input/output cables to the EXT I/O terminal plug (accessory). S2131L S2111L

Connect the cables of external devices to the EXT I/O terminal plug (accessory).

①When connecting an external device, remove 8 mm - 9 mm {5/16 inches - 11/32 inches} of the outer jacket of the cable and twist the cable core to prevent the short circuit first. Specification of cable (wire): 20 AWG - 26 AWG, Single core, twisted

②Push down the button of the desired terminal on the external I/O terminal plug with a ballpoint pen, and release the button when the cable of the external device is fully inserted into the termi-

### External I/O terminal plug



ALARM IN3 (Alarm input / AUX output) ALARM IN2 (Alarm input / Alarm output)

ALARM IN1 (Alarm input / Black & white input / Auto time adjustment input)

[5] Connect the MONITOR OUT con-

version plug (accessory) to the

MONITOR OUT terminal of the

camera, and then connect the

pin cable (locally procured).

[6] Insert an SD memory card into the

slot, if necessary. S2131L S2111L

provided CD-ROM for how to insert/remove

• Refer to the "Important Information" on the

monitor for adjustment with a RCA

### Note:

- Do not connect 2 wires or more directly to a terminal. When it is necessary to connect 2 or more wires, use a splitter
- Check whether the stripped part of the wire is not exposed and is securely connected.
- The default of EXT I/O terminals is "Off". Refer to the Operating Instructions on the provided CD-ROM for further information about the EXT I/O terminal settings.

# Step 4 Mount the camera

- [1] Align the OPEN mark of the camera side panel with the tab of the attachment plate, insert 2 attachment mounting screws into the attachment plate, and rotate the camera by approximately 15°. The LOCK mark is moved to the tab position of the attachment plate and the camera is temporarily secured.
  - \*The fixing angle of this unit can be adjusted in the interval of 90°.

Tab of the

attachment plate

Attachment plate

(accessory)

Attachment

mounting screws

[2] Secure the camera by tightening the camera fixing screw (red).

Example of

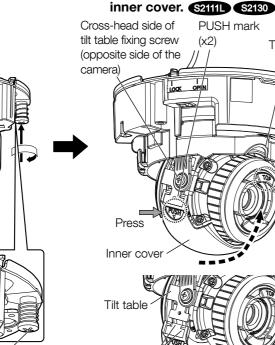
audio cable connector. Ethernet cable, connector

# **IMPORTANT:**

 Be sure to tighten the camera fixing screw. Failure to observe this may cause camera trouble due to camera falling.

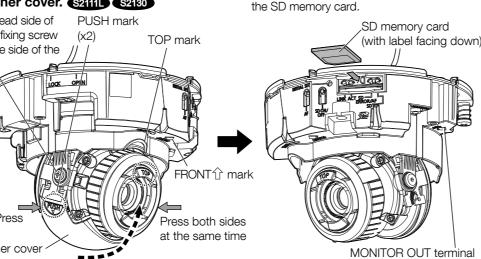
(Recommended tightening torque: 0.78 N·m {0.58 lbf·ft})

Camera fixing screw (red)



(3) Loosen the cross-head side of tilt table fixing screw (on one side), and incline the tilt table while keeping the TOP mark on the camera lens head facing the front (i.e. the direction of FRONT mark on the camera).

(4) Unhook each piece of four nails provided at both sides of the inner cover from the tilting table by pressing surroundings of the PUSH mark of the cover, and remove the



Tab of the inner cover inner cover Inner cover

# Note:

When using WV-S2231L / WV-S2131L / WV-S2131LRF / WV-S2131LEG / WV-S2131, do not remove the inner cover.

# adjustment ring. Horizontal: +120 ° - -240 ° Image tilt adjustment range: ±100 ° WV-S2131/WV-S2130/WV-S2110 Vertical: ±85° **Others** Vertical: +85 ° - -30 ° 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

# table fixing screw (on one side) and the pan table fixing screw, and fix the camera.

(Recommended tightening torque:

Step 5 Adjustment

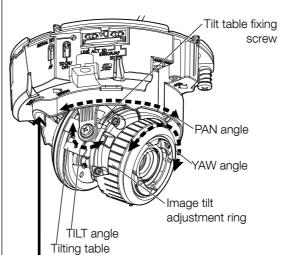
[1] Turn on power for the camera.

[2] Loosen the pan table fixing screw.

Adjust the angle of the camera with

the tilt table, pan table, and image tilt

0.59 N·m {0.44 lbf·ft})



# (4) Adjust the zoom and focus.

S2111L S2130

[4] Adjust the zoom and focus.

1 Loosen the zoom knob equipped with

auxiliary handle (accessory) by rotating

the knob to the left, and move it between

TELE and WIDE to obtain the appropri-

ate angle of view. Then, lock the zoom

knob by rotating it back to the right.

2 Adjust the focus by pressing the auto

focus (AF) button.

Auto focus (AF) button =

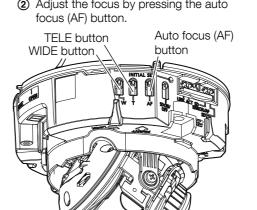
handle

(accessory)

1 adjust the viewing angle by pressing the WIDE or TELE buttons.

`Zoom knob

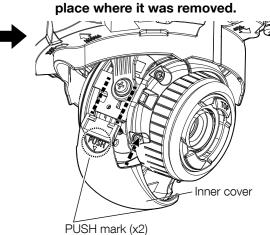
② Adjust the focus by pressing the auto focus (AF) button.



# S2111L S2130

(3) Adjust the screen size and focus by repeating steps 1) and 2). Readjust the angle of the camera with the tilt table, pan table, and azimuth adjustment ring if necessary.

After the adjustment, remove the auxiliary handle (accessory).



FRONTû mark

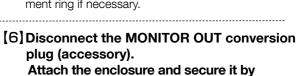
[5] Press the PUSH mark on both

sides of the inner cover, and

install the inner cover to the

S2111L S2130

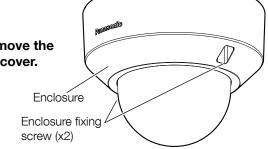
(3) Adjust the screen size and focus by repeating steps 1) and 2). Readjust the angle of the camera with the tilt table, pan table, and azimuth adjustment ring if necessary.



tightening the enclosure fixing screws (For WV-S2231L/WV-S2211L, use a bit (accessory) to tighten the screws.). Attach the enclosure by aligning the Panasonic logo

to the direction marker (FRONTû) on the camera. (Recommended tightening torque: 0.59 N·m {0.44 lbf·ft})

[7] After complete installation, remove the protection film from the dome cover.



# Step 6 Configure the network settings

Configure the setting of the camera after temporarily invalidating the firewall software. Once the camera configuration is completed, return to the original state. Contact the network administrator or your Internet service provider for information about configuring the settings of the network.

# [1] Insert the provided CD-ROM into the CD-ROM drive of your PC.

The License Agreement will be displayed. Read the Agreement and choose "I accept the term in the license agreement", and click [OK].

⇒ The launcher window will be displayed.

Pan table fixing screw (inside this part)

# Note:

- If the launcher window is not displayed, double click the "CDLauncher.exe" file on the CD-ROM.
- Refer to "Using the CD-ROM" in the Operating Instructions on the provided CD-ROM for further information about CDLauncher



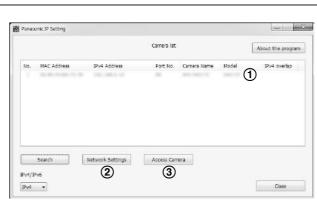
# [2] Click the [Run] button next to [IP Setting Software].

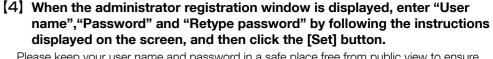
⇒ [Panasonic IP Setting] screen will be displayed.

The MAC Address / IP address of the detected camera will be displayed.

(3) Select the camera you want to configure (1), and click [Network Settings] (2) to change the network settings. Then, click [Access Camera] (3).

Select the camera with same MAC address as the MAC address printed on the want to configure





Please keep your user name and password in a safe place free from public view to ensure security. After completing the registration, the camera will automatically be re-connected and the authentication window will be displayed. Enter the registered user name and password.

The default setting of user authentication is "On". For further information, refer to the "Preface" section in the Operating Instructions.



• When the camera is used over the Internet, setting user authentication to "Off" may lead to unintended access by a third party. Please leave user authentication set to "On"

# [5] When live images from the camera are displayed, the network connection is complete.

# Note:

- For more information on the following content, refer to the Operating Instructions.
- Please set [Time & date] on the [Basic] screen of "Setup" before using the camera.
- It is impossible to display H.265 (or H.264) or MJPEG images, receive/transmit audio, display logs, and use full-screen display when the viewer software "Network Camera View 4S" is not



مشاهده محصولات

Idehal.org 011-11010