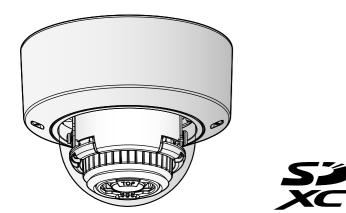
# Panasonic

## Installation Guide

Included Installation Instructions

## **Network Camera**

Model No. WV-S2270L



- 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 Panasonic support website. https://security.panasonic.com/download/
- Before reading this manual, be sure to read the Important Information.

### For U.S. and Canada:

Panasonic Corporation of North America Two Riverfront Plaza, Newark, NJ 07102-5490 http://business.panasonic.com/

Panasonic Canada Inc. 5770 Ambler Drive, Mississauga, Ontario, L4W 2T3 Canada 1-877-495-0580 https://www.panasonic.com/ca/

Panasonic Corporation Osaka, Japar

For Europe and other countries:

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## Important safety instructions

- 1) Read these instructions
- Keep these instructions
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) 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 from tip-over



- 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 "Troubleshooting" of Important Information in the CD-ROM and Operating Instructions on the Panasonic 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 Panasonic shall not respond to any inquiries regarding the contents of the source code.

### WARNING:

- To prevent injury, this apparatus must be securely attached to the wall/ceiling in accordance with the
- installation instructions. • To prevent fire or electric shock hazard, do not
- expose this apparatus to rain or moisture. • The apparatus should not be exposed to dripping
- 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 accordance
- with all applicable installation rules. • The connections should comply with local electri-
- cal code. 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.

## 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 Model No.

Serial No.

### : Direct current symbol

## **Disposal of Old Equipment and Batteries**

- - 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 leaislation

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

### 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
- the field of view • 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 the Panasonic support website): Explains how to perform the settings
- and how to operate this camera.

"<Control No.: C\*\*\*\*>" used in this document should be used to search for information on the Panasonic 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

IMPORTANT S	ide (this document) AFETY INSTRUCTIONS	1 pc.		1 pc. 
grams.	DM contains the several kind hay be required for network ma			nd different kinds of tool software pro-
The following p	parts are used during installation	on procedur	es.	
Template A (for the	ate ne attachment plate)	1 sheet	MONITOR OUT Bit (Hex wrench,	conversion plug 1 pc. screw
	ug*3 al plug*3		size 6.35 mm {1	/4 inches} T20) 1 pc.
Bit	Dower cord plug		erminal plug	MONITOR OUT
DIL en	Power cord plug	LATIOL	erminal plug	conversion plug
М				
()			· /	

\*3 The EXT I/O terminal plug and power cord plug are attached to the camera.

## 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



Panasonic Corporation of North America Two Riverfront Plaza, Newark, New Jersey 07102-5490

## Support Contact : 1-800-528-6747

- 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.

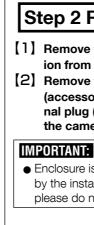
M C : Hot surface symbol

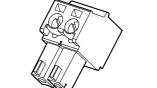
Step1

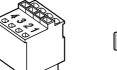
plate

_	Co	n	r
_	_		

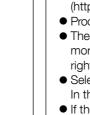
# Note:













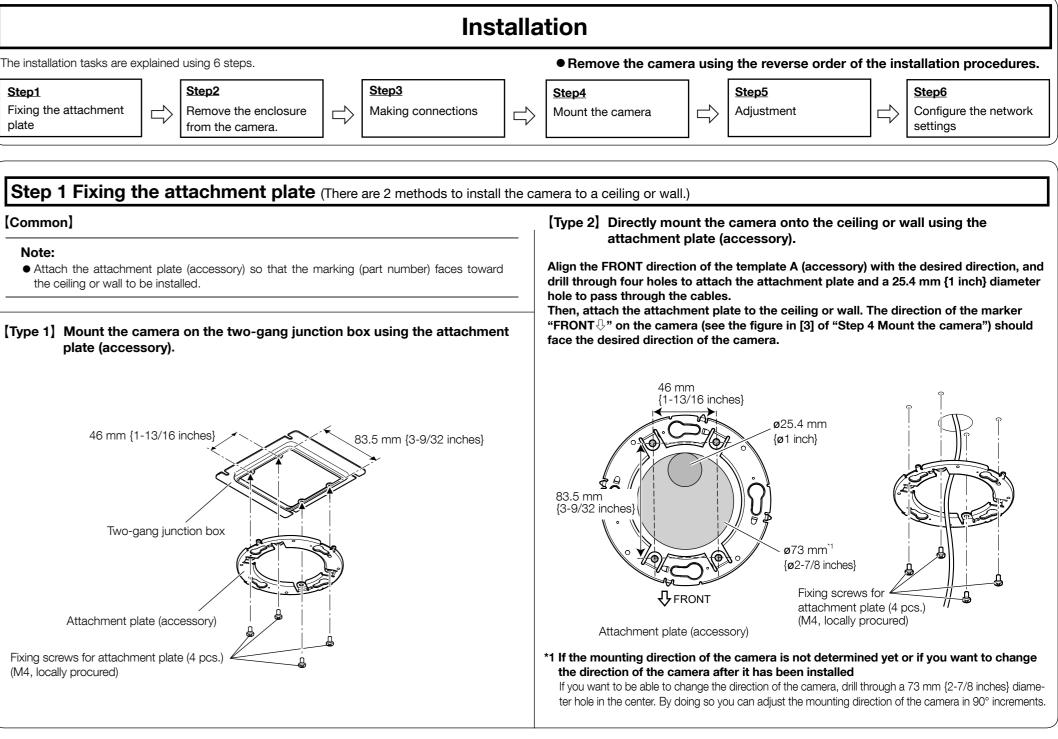
For Canada

Panasonic Corporation http://www.panasonic.com

Authorised Representative in EU: Panasonic Testing Centre

Panasonic Marketing Europe GmbH Winsbergring 15, 22525 Hamburg, Germany

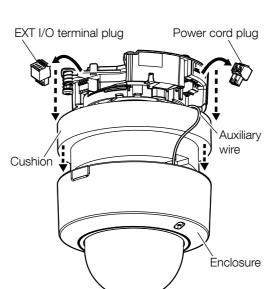
Preparations						
Prepare the required parts for each installation method before starting the installation. The following are the requirements for the various installation methods.		Description of installation method				
<ul> <li>IMPORTANT:</li> <li>For information about the minimum pull-out strength, refer to our website (https://security.panasonic.com/support/info/ <control number:c0120="">).</control></li> </ul>	Mount the camera on the two-gang junction box using the attach- ment plate (accessory).	[Type 1]				
<ul> <li>Procure 4 screws (M4) to secure the attachment plate (accessory) to a ceiling or a wall.</li> <li>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</li> </ul>	Directly mount the camera onto the ceiling or wall using the attach- ment plate (when wiring can be installed in the ceiling or wall).	[Type 2]				
<ul> <li>right table.</li> <li>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.</li> <li>If the mounting location such as plaster board is too weak to support the total weight, the area shall be sufficiently reinforced.</li> </ul>	When mounting the camera on an insufficiently strong ceiling using the ceiling mount bracket WV-Q105A (when mounting in areas where the screws are too weak to support the total weight, such as the plaster board of double-ceilings). (approx. 150 g $\{0.33 \ lbs\}$ )	Refer to the Instruction Manual provided with the WV-Q105A.				
	Mount the camera in the ceiling using the ceiling mount bracket WV-Q174B (approx. 280 g {0.62 lbs}).	Refer to the Instruction Manual provided with the WV-Q174B.				



## Step 2 Remove the enclosure from the camera.

[1] Remove the enclosure and cushion from the camera. [2] Remove the power cord plug (accessory) and the EXT I/O terminal plug (accessory) attached to the camera.

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



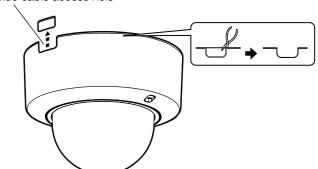
## Using the side cable access hole

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 enclosure to open a side cable access hole.

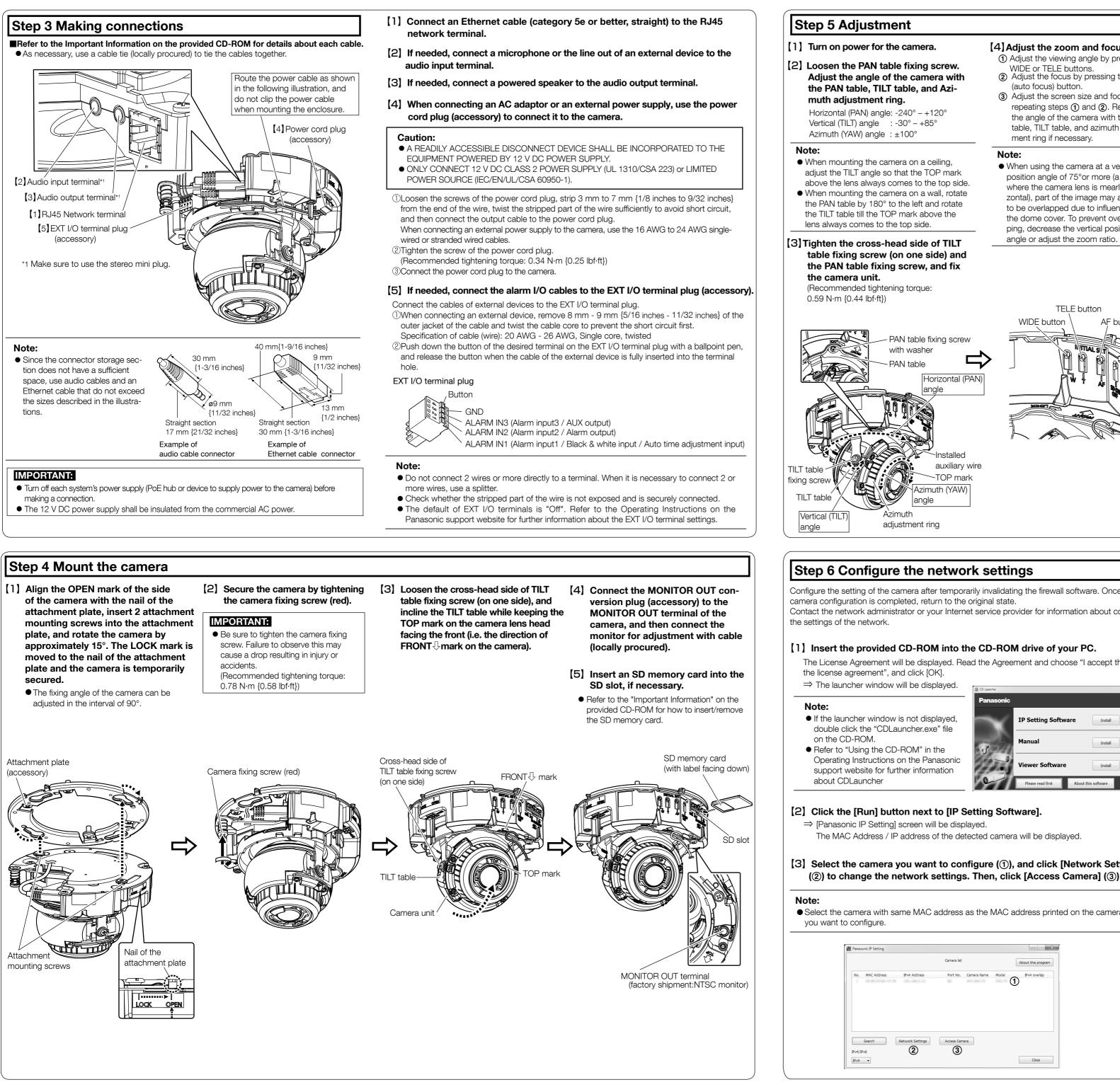
## IMPORTANT:

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

Side cable access hole



• A part of the enclosure and the auxiliary wire is omitted in the illustrations after Step 3.



## [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.

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

AF button

## [5] Disconnect the MONITOR OUT

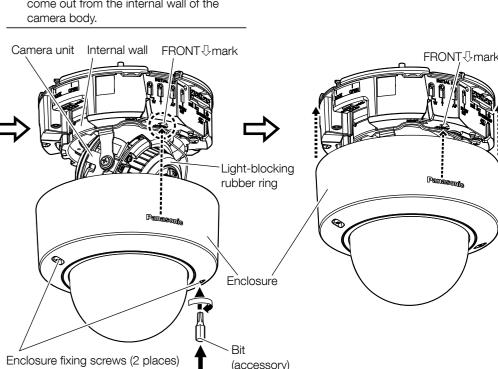
conversion plug (accessory). Attach the enclosure and secure it by using a bit (accessory) to tighten the enclosure fixing screws (2 places).

Attach the enclosure by aligning the Panasonic logo to the direction marker  $(FRONT \square)$  on the camera. (Recommended tightening torque: 0.59 N·m {0.44 lbf·ft})

## Note:

- Mount the enclosure to the camera body at a straight angle
- The light-blocking rubber ring may be stretched depending on the TILT angle This does not have effects on lightblocking 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 unit Internal wall FRONT Umark



[6] After complete installation, re-

dome cover.

the dome cover.

move the protection film from the

remove the protection film from the dome

cover. After removal, be sure not to touch

When the camera has been installed,

Configure the setting of the camera after temporarily invalidating the firewall software. Once the

Contact the network administrator or your Internet service provider for information about configuring

The License Agreement will be displayed. Read the Agreement and choose "I accept the term in

Panasonic			
$\sim$	IP Setting Software	Install	Run
a de la	Manual	Install	Open
122-3	Viewer Software	Install	
0	Please read first Ab	out this software	Close

(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 camera that

[4] When the administrator registration window is displayed, enter "User name", "Password" and "Retype password" by following the instructions displayed on the screen, and then click the [Set] button.

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.



## **IMPORTANT:**

• 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 on the Panasonic support web site.

- 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 installed on the PC.
- Depending on the environment of your PC, it may take time for images to be displayed. • At the time of purchase, the audio input and output connectors are set to "Off". If needed, change the setting on the "Audio" screen in "Setup".
- Due to security enhancements in "IP Setting Software", "Network settings" cannot be changed when around 20 minutes have passed after turning on the power of the camera to be configured. (When the effective period is set to "20 min" in the "Easy IP Setup accommodate period".) However, settings can be changed after 20 minutes for cameras in the initial set mode
- Defocus may be caused by the reinstalled enclosure. In this case, perform the auto focus function from the setup menu.

If images are not displayed, set the Web browser to compatibility view. For details on how to configure, refer to our website (https://security.panasonic.com/support/info/ <Control No.: C0104>)