

Installation Guide

Included Installation Instructions



Network Camera



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

Panasonic Corporation http://www.panasonic.com

Fukuoka, Japan

For Europe and other countries:

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

Authorised Representative in EU: Panasonic Testing Centre Panasonic Marketing Europe GmbH Winsbergring 15, 22525 Hamburg, Germany

Panasonic i-PRO Sensing Solutions Co., Ltd.

avs1218-2109 PGQX2273XA Printed in China © Panasonic i-PRO Sensing Solutions Co., Ltd. 2019

Important safety instructions

- 1) Read these instructions
- Keep these instructions
- 3) Heed all warnings.
- Follow all instructions
- 5) Do not use this apparatus near water. S3131 S3111
- 6) Clean only with dry cloth. **S3131 S3111**
- 7) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 8) Only use attachments/accessories specified by the manufacturer.
- 9) 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.



- 10) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 11) 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 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.
- S3131 S3111
- ne apparatus should not be exposed to dripping or splashing. S3131 S3111 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 electrical 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 theft

For Canada

Model No. Serial No.

____ : Direct current symbol

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

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.

electrical and electronic products and batteries must not be mixed with general household waste.

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.

About notations

The following notations are used when describing the functions limited for specified mode The functions without the notations are supported by all models.	els.
\$3531 : The functions with this notation are available when using the model WV-S353	31L.
S3511 : The functions with this notation are available when using the model WV-S351	1L.
\$3131 :The functions with this notation are available when using the model WV-S313	31L.
The functions with this prototion are evidently when when the product NA/ CO11	

- S3111 :The functions with this notation are available when using the model WV-S3111L.
- (\$3532) : The functions with this notation are available when using the model WV-S3532LM.
- (\$3512) : The functions with this notation are available when using the model WV-S3512LM.
- * XXXXXX : Outdoor model XXXXXX : Indoor model

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 this 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 product

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. • "<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.

Standard accessories

	CD-ROM*11 pc. Code label*21 pc.	
Warranty card1 pc.		

*1 The CD-ROM contains the several kind of operating instructions and different kinds of tool software programs

- *2 This label may be required for network management. Use caution not to lose this label. The following parts are used during installation procedures.
- Template.....1 pc.

S3531 S3511 S3532 S3512

Bit (Hex wrench, screw size 6.35 mm {1/4 inches} T10)..... S3531 S3511

RJ45 waterproof connector cover1 pc. RJ45 waterproof connector cap1 pc.

.. 1 pc. Lens adjuster *Lens adjuster is used only at the time of servicing.

S3532 S3512

Cable guard

Bit ¢=

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

against harmful interference when the equipment is

operated in a commercial environment. This equip-

accordance with the instruction manual, may cause

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

ment generates, uses, and can radiate radio fre-

quency energy and, if not installed and used in

harmful interference to radio communications.

FCC CAUTION: Changes or modifications not

expressly approved by the party responsible for

compliance could void the user's authority to oper

This device complies with Part15 of the FCC Rules.

Operation is subject to the following two conditions

)This device may not cause harmful interference,

and (2) this device must accept any interference received, including interference that may cause

WV-S3131L, WV-S3111L

WV-S3532LM, WV-S3512LM

Supplier's Declaration of conformity

Model No. : WV-S3531L, WV-S3511L

Panasonic Corporation of North America

Support Contact : 1-800-528-6747

Two Riverfront Plaza, Newark, New Jersey

at his own expense

ate the equipment

undesired operation

Responsible Party

07102-5490

Trade name : Panasonic

are designed to provide reasonable protection

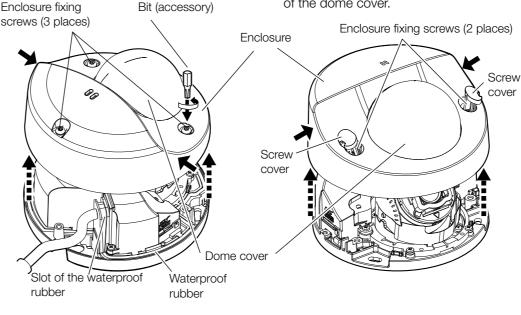
When d When inst When

metal c



3 Remove the packaging from the

inside of the dome cover. Enclosure fixing



Note:

Step1 or wall

Note:

- Ceiling installation:

.1 pc.

.1 pc

Preparations

Other items that are needed (not included)

The following are methods for installing a camera to a ceiling or wall Prepare the required parts for each installation method before starting the installation. The following are the requirements for the various installation methods.

Installation method	Mounting screws / anchor bolts
directly installing a camera to a ceiling or wall	M4 / 3 pcs.
installing to a junction box or other part. <u>\$3531</u> <u>\$3511</u> <u>\$3532</u> <u>\$3512</u> installing the junction box cover (locally procured), prepare a locally procured cover according to the shape of the junction box.	M4 / 2 pcs.

Removing the enclosure

- S3531 S3511 S3532 S3512 ① Using the bit (accessory), loosen the enclosure fixing screws (3 places). 2 Hold the both sides of the enclosure and remove it.
- S3131 S3111 (1) Use a flathead screwdriver to open the screw cover (2 places), and then use a Phillips screwdriver to loosen the enclosure fixing screws (2 places)
- (2) Hold down on both sides of the enclosure and remove it.
- 3 Remove the packaging from the inside of the dome cover.

• After the installation is completed, do not remove the cover film from the dome cover until attaching the enclosure.

• Because the cable part and the slot for the waterproof rubber are engaged, it may be difficult to take off the enclosure. \$3531 \$3511 \$3532 \$3512

IMPORTANT:

memory card if necessary.

facing up.

- When replacing existing models (WV-SFV130/WV-SFV110/WV-SW155/WV-SW158) and installing to a one-gang junction box, take care because the direction of the camera will change 90° to the side. (\$3531) (\$3511) (\$3532) (\$3512)
- The minimum required pull-out capacity of a single screw or anchor bolt is 196 N {44 lbf} or more.
- 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.

Inserting a microSD memory card *This illustration represents WV-S3131L Follow the steps below to insert the microSD microSD slot (1) Insert the microSD memory card into the microSD slot with the side with printing (2) Insert the microSD memory card into the end of the microSD slot and confirm that a click-

ing sound is made. 3 After confirming a clicking sound is made, take your fingers off the microSD memory card and ensure that its back end does not protrude over the surface of the microSD slot (the same surface as the microSD symbol).

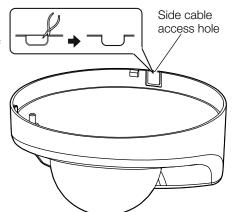
* For information about inserting and removing microSD memory cards, refer to the Important Information on the provided CD-ROM.

Symbol of microSD memory card (the the microSD side with printing facing up)

Back end of the microSD memory card

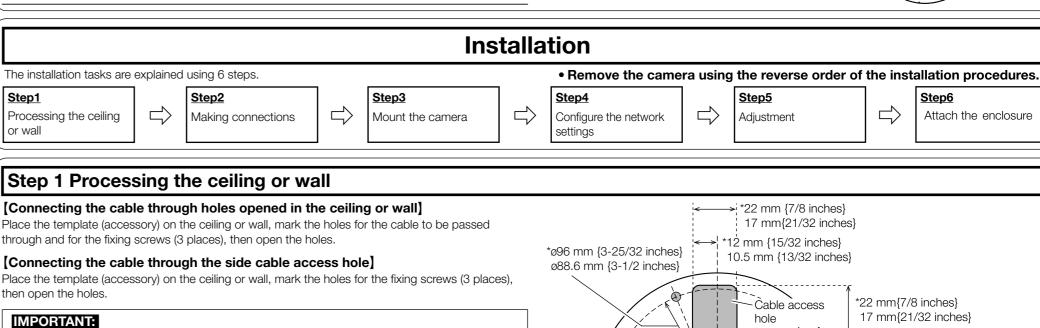
Processing of side cable access hole (\$3131) (\$3111)

When installing the camera directly on the ceiling or wall with cables exposed, cut out a portion of the enclosure to open a cable access hole on the side of the enclosure, and then pass the cables through the side of the enclosure





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



• Turn off each system's power supply (PoE hub, etc.) before starting the installation. • Perform waterproofing so that there is no exposure to water into the architecture through the holes for the camera fixing screws or hole for wiring. **\$3531 \$3511 \$3532 \$3512**

Use the template (accessory) with the side with the arrow facing you.

Place the template so that the arrow is pointing to the front of the camera (the lens side). • Wall installation:

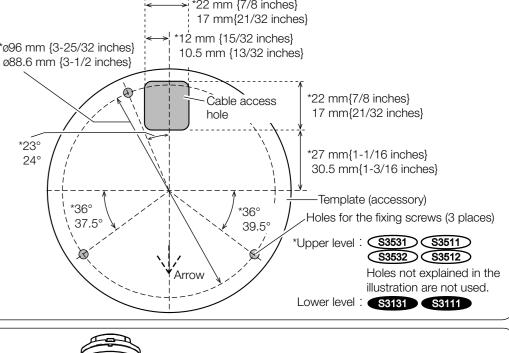
Place the template so that the arrow is pointing down.

• No processing for the ceiling or wall is required when installing the camera to an existing junction box. \$3531 \$3511 \$3532 \$3512

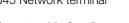
Step 2 Making connections S3131 S3111

Connect an Ethernet cable to RJ45 network terminal.

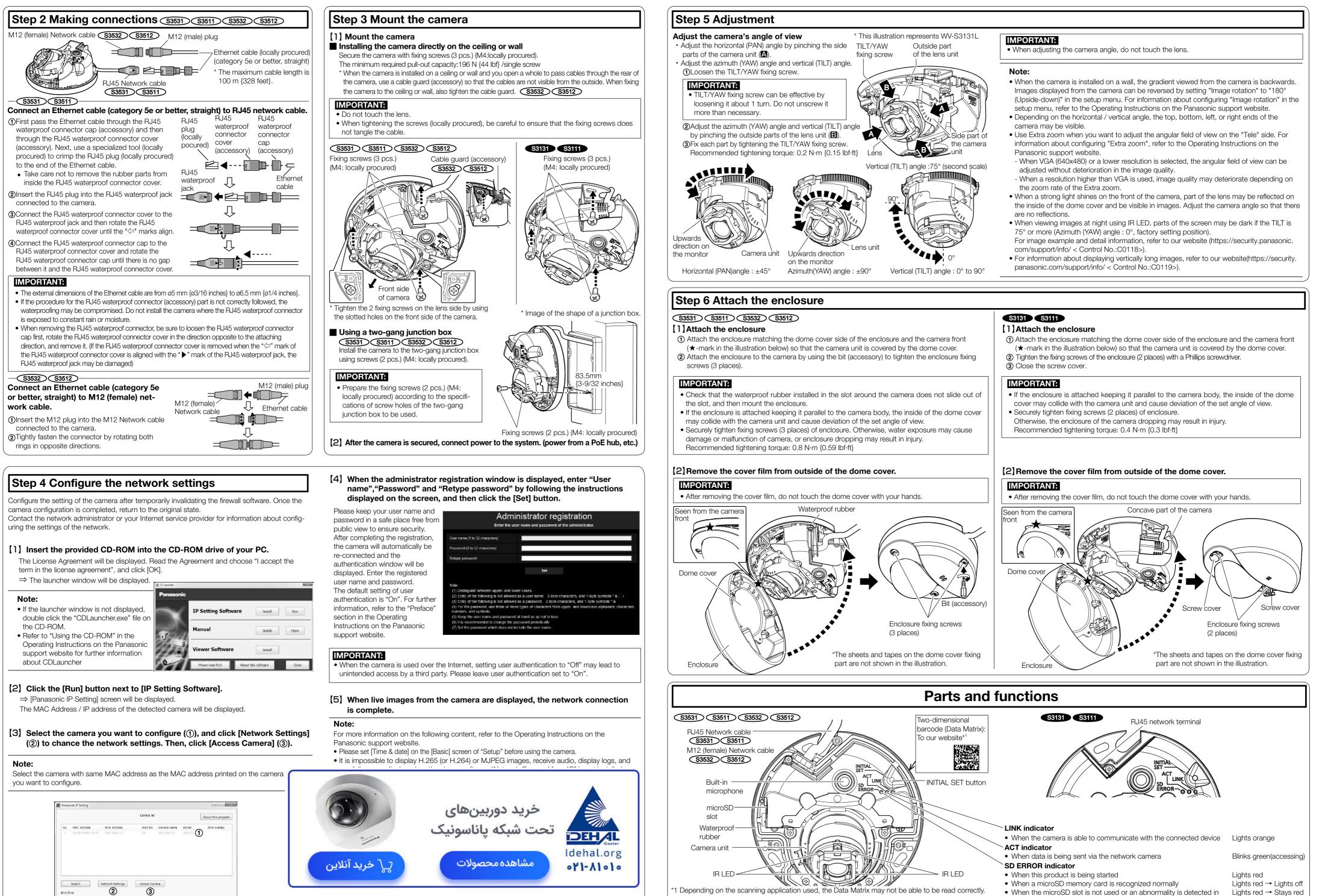
IMPORTANT: • The maximum cable length is 100 m {328 feet}



RJ45 Network terminal



Ethernet cable (locally procured) (category 5e or better, straight)



]Pv4 •

Close

microSD memory card after the camera has started

In this case, access the site by directly entering the following URL. https://security.panasonic.com/support/qr_sp_select/