Panasonic®

Installation Guide
Included Installation Instructions

Network Camera

Model No. WV-S3531L, WV-S3511L
WV-S3131L, WV-S3111L
WV-S3532LM, WV-S3512LM

iDEHAL Gostar

microSD XC
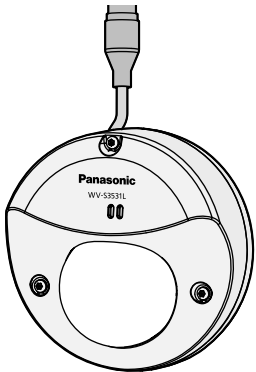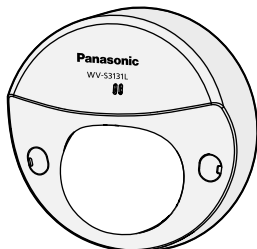
WV-S3531L   WV-S3131L

- 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.

Important safety instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) 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.

--- : 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 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.

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.

S3531 : The functions with this notation are available when using the model WV-S3531L.
S3511 : The functions with this notation are available when using the model WV-S3511L.
S3131 : The functions with this notation are available when using the model WV-S3131L.
S3111 : The functions with this notation are available when using the model WV-S3111L.
S3532 : The functions with this notation are available when using the model WV-S3532LM.
S3512 : The functions with this notation are available when using the model WV-S3512LM.

* XXXXX : Outdoor model   XXXXX : 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

Installation Guide (this document) .... 1 pc.
IMPORTANT SAFETY INSTRUCTIONS...... 1 pc.
Warranty card .... 1 pc.
CD-ROM*1... 1 pc.
Code label*2.. 1 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).............. 1 pc.

S3531 S3511
RJ45 waterproof connector cover .... 1 pc.
RJ45 waterproof connector cap .... 1 pc.

S3532 S3512
Cable guard... 1 pc.
Lens adjuster .... 1 pc.

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

Bit

Preparations

Other items that are needed (not included)

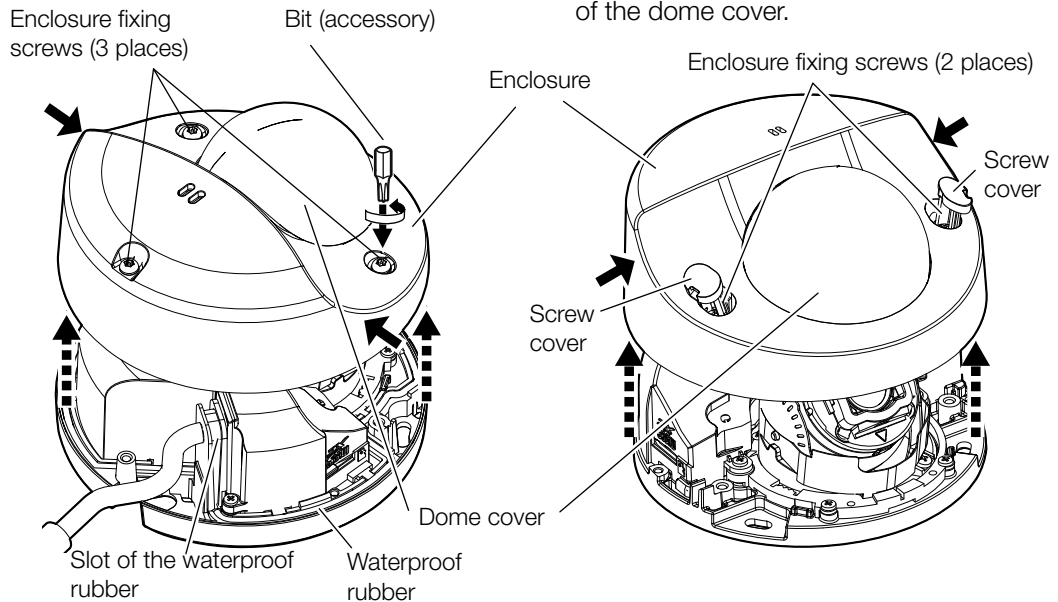■ **The following are methods for installing a camera to a ceiling or wall**
Prepare the required parts for each installation method before starting the installation.
The following are the requirements for the various installation methods.

Installation method	Mounting screws / anchor bolts
When directly installing a camera to a ceiling or wall	M4 / 3 pcs.
When installing to a junction box or other part. S3531 S3511 S3532 S3512 * When installing the junction box cover (locally procured), prepare a locally procured metal cover according to the shape of the junction box.	M4 / 2 pcs.

IMPORTANT:
- 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. S3531 S3511 S3532 S3512
- 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.

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.
③ Remove the packaging from the inside of the dome cover.

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.

Enclosure fixing screws (3 places)
Bit (accessory)
Enclosure
Enclosure fixing screws (2 places)
Screw cover
Screw cover
Dome cover
Slot of the waterproof rubber
Waterproof rubber

Note:
- 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. S3531 S3511 S3532 S3512

Inserting a microSD memory card

Follow the steps below to insert the microSD memory card if necessary.

① Insert the microSD memory card into the microSD slot with the side with printing facing up.
② Insert the microSD memory card into the end of the microSD slot and confirm that a clicking 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).
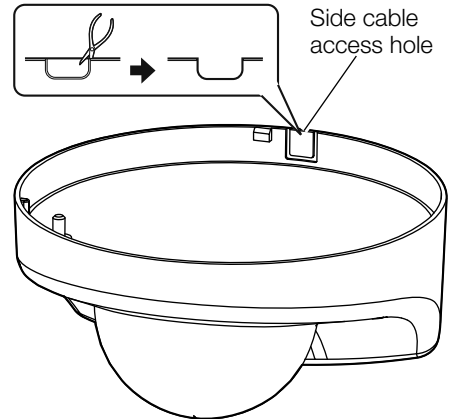* For information about inserting and removing microSD memory cards, refer to the Important Information on the provided CD-ROM.

*This illustration represents WV-S3131L microSD slot

microSD slot
microSD memory card (the side with printing facing up)
Symbol of the microSD
Back end of the microSD memory card
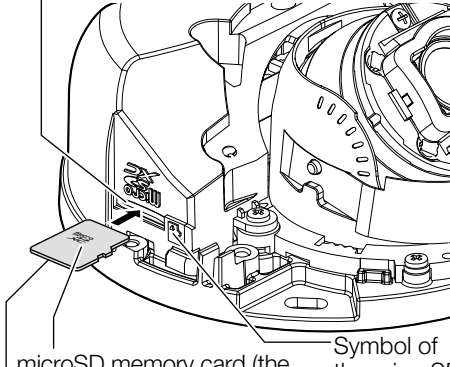
Processing of side cable access hole S3131 S3111

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.

Side cable access hole

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

Installation

The installation tasks are explained using 6 steps.

- **Remove the camera using the reverse order of the installation procedures.**

Step1 Processing the ceiling or wall ⇨ **Step2** Making connections ⇨ **Step3** Mount the camera ⇨ **Step4** Configure the network settings ⇨ **Step5** Adjustment ⇨ **Step6** Attach the enclosure

Step 1 Processing the ceiling or wall

[Connecting the cable through holes opened in the ceiling or wall]
Place the template (accessory) on the ceiling or wall, mark the holes for the cable to be passed through and for the fixing screws (3 places), then open the holes.

[Connecting the cable through the side cable access hole]
Place the template (accessory) on the ceiling or wall, mark the holes for the fixing screws (3 places), then open the holes.

IMPORTANT:
- 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. S3531 S3511 S3532 S3512

Note:
- Use the template (accessory) with the side with the arrow facing you.
- Ceiling installation:
  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. S3531 S3511 S3532 S3512

*22 mm {7/8 inches}
17 mm {21/32 inches}
*12 mm {15/32 inches}
10.5 mm {13/32 inches}
*ø96 mm {3-25/32 inches}
ø88.6 mm {3-1/2 inches}
Cable access hole
*22 mm {7/8 inches}
17 mm {21/32 inches}
*23°
24°
*27 mm {1-1/16 inches}
30.5 mm {1-3/16 inches}
*36°
37.5°
*36°
39.5°
Arrow
Template (accessory)
Holes for the fixing screws (3 places)
*Upper level : S3531 S3511 S3532 S3512
Holes not explained in the illustration are not used.
Lower level : S3131 S3111

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)

Step 2 Making connections S3531 S3511 S3532 S3512

M12 (female) Network cable S3532 S3512   M12 (male) plug

Ethernet cable (locally procured) (category 5e or better, straight)
* The maximum cable length is 100 m {328 feet}.

RJ45 Network cable S3531 S3511

S3531 S3511
Connect an Ethernet cable (category 5e or better, straight) to RJ45 network cable.

①First pass the Ethernet cable through the RJ45 waterproof connector cap (accessory) and then through the RJ45 waterproof connector cover (accessory). Next, use a specialized tool (locally procured) to crimp the RJ45 plug (locally procured) to the end of the Ethernet cable.
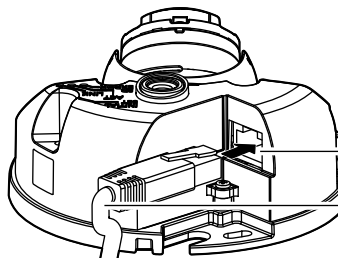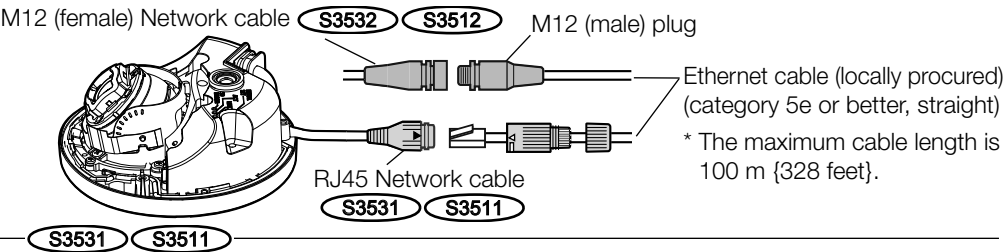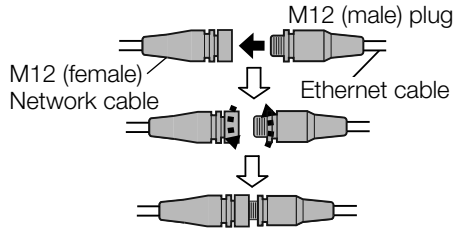　• Take care not to remove the rubber parts from inside the RJ45 waterproof connector cover.
②Insert the RJ45 plug into the RJ45 waterproof jack connected to the camera.
③Connect the RJ45 waterproof connector cover to the RJ45 waterproof jack and then rotate the RJ45 waterproof connector cover until the "⇔" marks align.
④Connect the RJ45 waterproof connector cap to the RJ45 waterproof connector cover and rotate the RJ45 waterproof connector cap until there is no gap between it and the RJ45 waterproof connector cover.

RJ45 plug (locally pocured)
RJ45 waterproof connector cover (accessory)
RJ45 waterproof connector cap (accessory)
RJ45 waterproof jack
Ethernet cable

IMPORTANT:
• The external dimensions of the Ethernet cable are from ø5 mm {ø3/16 inches} to ø6.5 mm {ø1/4 inch}.
• If the procedure for the RJ45 waterproof connector (accessory) part is not correctly followed, the waterproofing may be compromised. Do not install the camera where the RJ45 waterproof connector is exposed to constant rain or moisture.
• When removing the RJ45 waterproof connector, be sure to loosen the RJ45 waterproof connector cap first, rotate the RJ45 waterproof connector cover in the direction opposite to the attaching direction, and remove it. (If the RJ45 waterproof connector cover is removed when the "⇔" mark of the RJ45 waterproof connector cover is aligned with the "▶" mark of the RJ45 waterproof jack, the RJ45 waterproof jack may be damaged)

S3532 S3512
Connect an Ethernet cable (category 5e or better, straight) to M12 (female) network cable.

①Insert the M12 plug into the M12 Network cable connected to the camera.
②Tightly fasten the connector by rotating both rings in opposite directions.

M12 (male) plug
M12 (female) Network cable
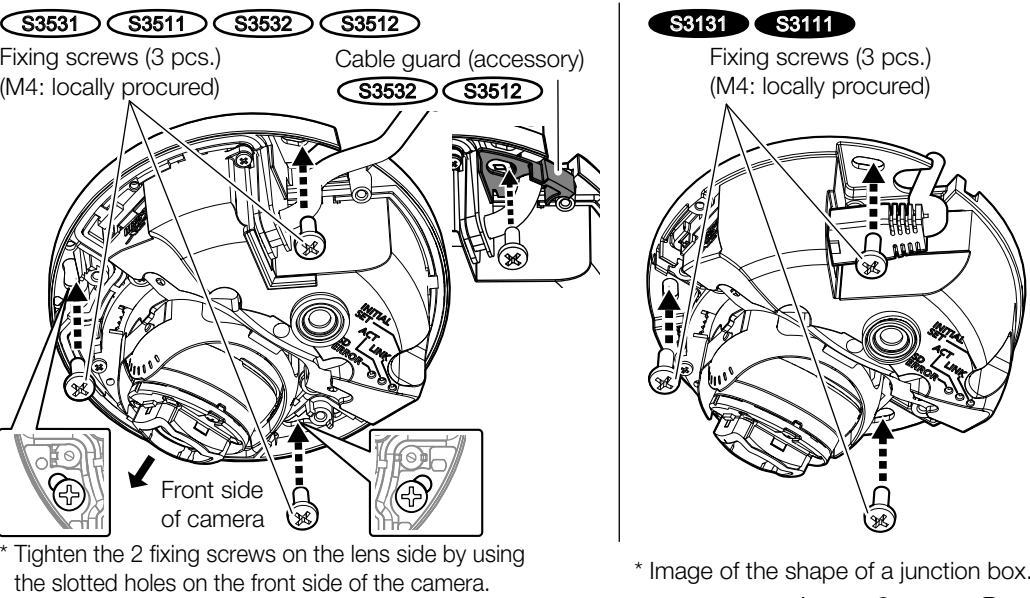Ethernet cable

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Step 3 Mount the camera

[1] Mount the camera
■ **Installing the camera directly on the ceiling or wall**
Secure the camera with fixing screws (3 pcs.) (M4:locally procured).
The minimum required pull-out capacity:196 N {44 lbf} /single screw
* When the camera is installed on a ceiling or wall and you open a whole to pass cables through the rear of the camera, use a cable guard (accessory) so that the cables are not visible from the outside. When fixing the camera to the ceiling or wall, also tighten the cable guard. S3532 S3512

IMPORTANT:
• Do not touch the lens.
• When tightening the screws (locally procured), be careful to ensure that the fixing screws does not tangle the cable.
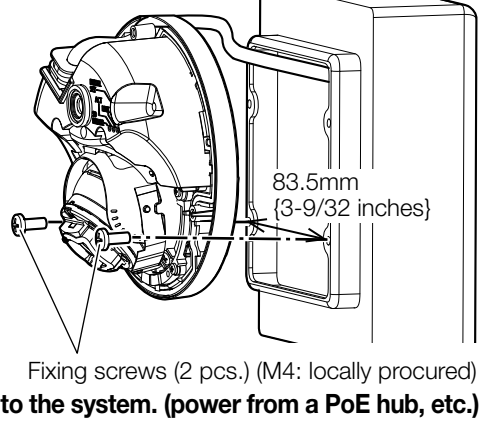
S3531 S3511 S3532 S3512
Fixing screws (3 pcs.) (M4: locally procured)
Cable guard (accessory) S3532 S3512

S3131 S3111
Fixing screws (3 pcs.) (M4: locally procured)

Front side of camera

* Tighten the 2 fixing screws on the lens side by using the slotted holes on the front side of the camera.

■ **Using a two-gang junction box**
S3531 S3511 S3532 S3512
Install the camera to the two-gang junction box using screws (2 pcs.) (M4: locally procured).

IMPORTANT:
• Prepare the fixing screws (2 pcs.) (M4: locally procured) according to the specifications of screw holes of the two-gang junction box to be used.

* Image of the shape of a junction box.
83.5mm (3-9/32 inches)
Fixing screws (2 pcs.) (M4: locally procured)

[2] After the camera is secured, connect power to the system. (power from a PoE hub, etc.)

Step 4 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.

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 Panasonic support website for further information about CDLauncher

Panasonic
IP Setting Software   Install   Run
Manual   Install   Open
Viewer Software   Install
Please read first About this software Close

[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 chance the network settings. Then, click [Access Camera] (③).

Note:
Select the camera with same MAC address as the MAC address printed on the camera that you want to configure.

Panasonic IP Setting
Camera list
No. MAC Address IPv4 Address Port No. Camera Name Model IPv4 overide
Search Network Settings Access Camera
② ③

[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 on the Panasonic support website.

Administrator registration
Enter the user name and password of the administrator.
User name (1 to 32 characters)
Password (8 to 32 characters)
Retype password
Set

Note:
(1) Distinguish between upper- and lower cases.
(2) Entry of the following is not allowed as a user name: 2-byte characters, and 1-byte symbols " & : ; \
(3) Entry of the following is not allowed as a password: 2 byte characters, and 1-byte symbols " &
(4) For the password, use three or more types of characters from upper- and lowercase alphabetic characters, numbers, and symbols.
(5) Keep the user name and password at hand so as not to lose.
(6) It is recommended to change the password periodically.
(7) Set the password which does not include the user name.

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 website.
• 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 audio, display logs, and use full-screen display when the viewer software "Network Camera View 4S" is not installed on...
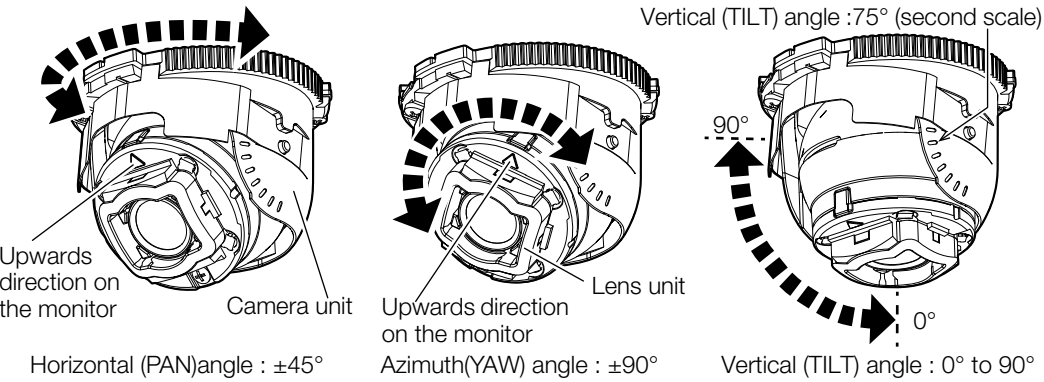
خرید دوربین‌های تحت شبکه پاناسونیک
IDEHAL Gostar
Idehal.org
۰۲۱-۸۱۰۱۰
خرید آنلاین   مشاهده محصولات

Step 5 Adjustment

Adjust the camera's angle of view
• Adjust the horizontal (PAN) angle by pinching the side parts of the camera unit (Ⓐ).
• Adjust the azimuth (YAW) angle and vertical (TILT) angle.
①Loosen the TILT/YAW fixing screw.

IMPORTANT:
• TILT/YAW fixing screw can be effective by loosening it about 1 turn. Do not unscrew it more than necessary.

②Adjust the azimuth (YAW) angle and vertical (TILT) angle by pinching the outside parts of the lens unit (Ⓑ).
③Fix each part by tightening the TILT/YAW fixing screw.
Recommended tightening torque: 0.2 N·m {0.15 lbf·ft}

* This illustration represents WV-S3131L
TILT/YAW fixing screw
Outside part of the lens unit
Lens
Side part of the camera unit

Vertical (TILT) angle :75° (second scale)

Upwards direction on the monitor
Camera unit
Upwards direction on the monitor
Lens unit

Horizontal (PAN)angle : ±45°
Azimuth(YAW) angle : ±90°
Vertical (TILT) angle : 0° to 90°

IMPORTANT:
• When adjusting the camera angle, do not touch the lens.

Note:
• When the camera is installed on a wall, the gradient viewed from the camera is backwards. Images displayed from the camera can be reversed by setting "Image rotation" to "180° (Upside-down)" in the setup menu. For information about configuring "Image rotation" in the setup menu, refer to the Operating Instructions on the Panasonic support website.
• Depending on the horizontal / vertical angle, the top, bottom, left, or right ends of the camera may be visible.
• Use Extra zoom when you want to adjust the angular field of view on the "Tele" side. For information about configuring "Extra zoom", refer to the Operating Instructions on the Panasonic support website.
  - When VGA (640x480) or a lower resolution is selected, the angular field of view can be adjusted without deterioration in the image quality.
  - When a resolution higher than VGA is used, image quality may deteriorate depending on the zoom rate of the Extra zoom.
• When a strong light shines on the front of the camera, part of the lens may be reflected on the inside of the dome cover and be visible in images. Adjust the camera angle so that there are no reflections.
• When viewing images at night using IR LED, parts of the screen may be dark if the TILT is 75° or more (Azimuth (YAW) angle : 0°, factory setting position).
For image example and detail information, refer to our website (https://security.panasonic.com/support/info/ < Control No.:C0118>).
• For information about displaying vertically long images, refer to our website(https://security.panasonic.com/support/info/ < Control No.:C0119>).

Step 6 Attach the enclosure

S3531 S3511 S3532 S3512
[1]Attach the enclosure
① Attach the enclosure matching the dome cover side of the enclosure and the camera front (★-mark in the illustration below) so that the camera unit is covered by the dome cover.
② Attach the enclosure to the camera by using the bit (accessory) to tighten the enclosure fixing screws (3 places).
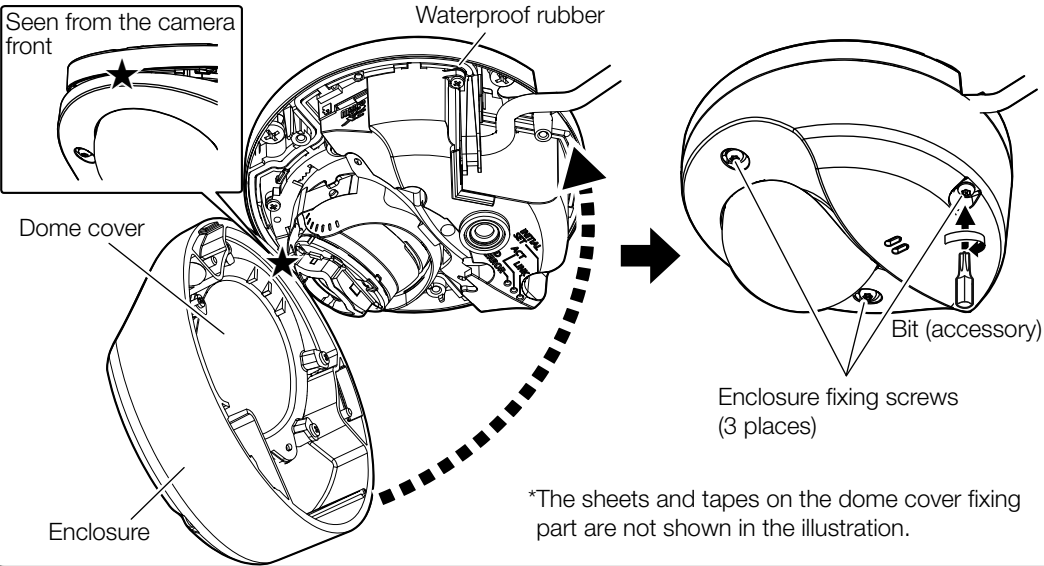
IMPORTANT:
• Check that the waterproof rubber installed in the slot around the camera does not slide out of the slot, and then mount the enclosure.
• If the enclosure is attached keeping it parallel to the camera body, the inside of the dome cover may collide with the camera unit and cause deviation of the set angle of view.
• Securely tighten fixing screws (3 places) of enclosure. Otherwise, water exposure may cause damage or malfunction of camera, or enclosure dropping may result in injury.
Recommended tightening torque: 0.8 N·m {0.59 lbf·ft}

[2]Remove the cover film from outside of the dome cover.

IMPORTANT:
• After removing the cover film, do not touch the dome cover with your hands.

Seen from the camera front
Waterproof rubber
Dome cover
Bit (accessory)
Enclosure fixing screws (3 places)
Enclosure
*The sheets and tapes on the dome cover fixing part are not shown in the illustration.

S3131 S3111
[1]Attach the enclosure
① Attach the enclosure matching the dome cover side of the enclosure and the camera front (★-mark in the illustration below) so that the camera unit is covered by the dome cover.
② Tighten the fixing screws of the enclosure (2 places) with a Phillips screwdriver.
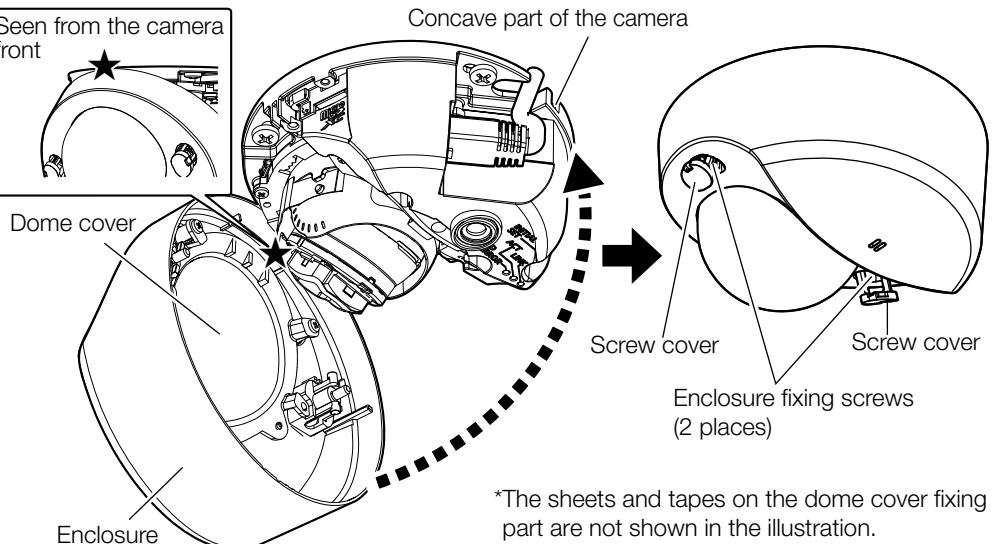③ Close the screw cover.

IMPORTANT:
• If the enclosure is attached keeping it parallel to the camera body, the inside of the dome cover may collide with the camera unit and cause deviation of the set angle of view.
• Securely tighten fixing screws (2 places) of enclosure.
Otherwise, the enclosure of the camera dropping may result in injury.
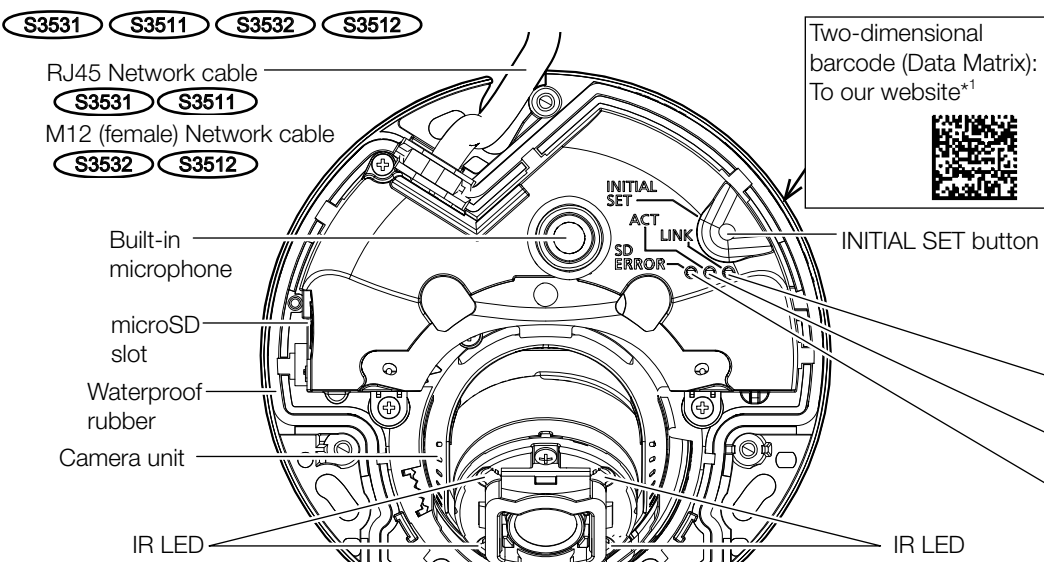Recommended tightening torque: 0.4 N·m {0.3 lbf·ft}

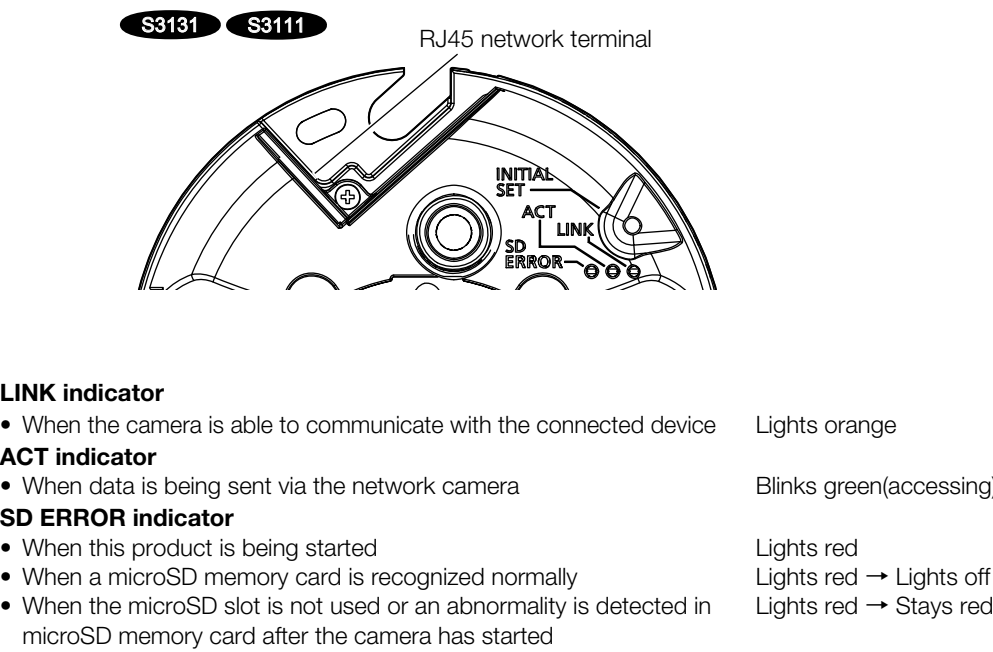**[2]Remove the cover film from outside of the dome cover.**

IMPORTANT:
• After removing the cover film, do not touch the dome cover with your hands.

Seen from the camera front
Concave part of the camera
Dome cover
Screw cover
Screw cover
Enclosure fixing screws (2 places)
Enclosure
*The sheets and tapes on the dome cover fixing part are not shown in the illustration.

Parts and functions

S3531 S3511 S3532 S3512
RJ45 Network cable S3531 S3511
M12 (female) Network cable S3532 S3512

Built-in microphone
microSD slot
Waterproof rubber
Camera unit
IR LED

Two-dimensional barcode (Data Matrix):
To our website[*1]

INITIAL SET
ACT LINK
SD ERROR
INITIAL SET button
IR LED

S3131 S3111
RJ45 network terminal
INITIAL SET
ACT LINK
SD ERROR

LINK indicator
• 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 ERROR indicator
• When this product is being started   Lights red
• When a microSD memory card is recognized normally   Lights red → Lights off
• When the microSD slot is not used or an abnormality is detected in microSD memory card after the camera has started   Lights red → Stays red

*1 Depending on the scanning application used, the Data Matrix may not be able to be read correctly. In this case, access the site by directly entering the following URL.
https://security.panasonic.com/support/qr_sp_select/