Panasonic

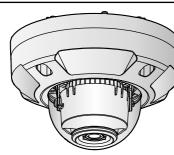
Installation Guide

Included Installation Instructions



Network Camera | For professional use only

Model No. WV-U2542L Outdoor use WV-U2532L Outdoor use



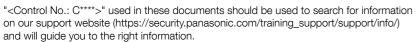
WV-U2542L

About the user manuals

Product documentation is composed of the following documents.

- Installation Guide (this document): Provides information about "Precautions", "Precautions for installation" and the installation method.

- Basic Information (in the following website): Provides information about "Precautions for use" and "Detail specifications".
 Operating Instructions (in the following website): Explains how to perform the settings and how to operate this camera.
- https://security.panasonic.com/training_support/documentation_database/



- Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.
- microSDXC/ microSDHC/ microSD memory card is described as microSD memory card.
- 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

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 Authorised Representative in EU:

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

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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.

For U.S.A.

own expense.

NOTE: This equipment has been tested and found to FCC CAUTION: Changes or modifications not 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

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.

Serial No. For Canada

Model No.

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

Méthode d'installation	Vis de fixation recom- mandée	La capacité de traction minimale requise
Quand la caméra vidéo est directement installée au plafond ou sur le mur.	M4/ 4 él.	196 N {44 lbf}

For Europe and other countries:

Panasonic Corporation http://www.panasonic.com

Panasonic i-PRO Sensing Solutions Co., Ltd. Fukuoka, Japan

Panasonic Testing Centre Panasonic Marketing Europe GmbH Winsbergring 15, 22525 Hamburg, Germany

avs1119-1040 Printed in China

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: Panasonic Model No.: WV-U2542L, WV-U2532L Responsible Party:

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.

Le présent appareil est conforme à la partie 15 des règles de la FCC et aux normes des CNR d'Innovation. Sciences et Développement économique Canada applicables aux appareils radio exempts de licence

L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

- The network camera is only intended for a connec-
- tion to an ethernet or PoE network without routing to the outside plant.
- This product has no power switch. Be sure to install disconnect devices such as a circuit breaker to shut down the main power of power supplying equipment to this product

- This equipment is not suitable for use in locations where children are likely to be present.
- Do not install this product in locations where ordinary persons can easily reach.

this document.

Notice:

- This product is a professional equipment. For information about screws and brackets required for installation, refer to the corresponding section of
- Before attempting to connect or operate this product, please read these instructions carefully.

: Direct current symbol

Precautions

Do not insert any foreign objects.

Fire or electrical shock may be caused if water or any foreign objects, such as metal objects, enter inside the unit. Turn the power off immediately and contact qualified service personnel for service

- Do not use this product in an inflammable atmosphere.
- Failure to observe this may cause an explosion resulting in injury.
- Avoid installing this product in the locations where salt damage occurs or corrosive gas is produced. Otherwise, the mounting portions will deteriorate and injury or accidents due to a fall of the product may occur.
- Do not strike or give a strong shock to this product.

Failure to observe this may cause injury or fire ■ Keep microSD memory cards away from infants and children.

Otherwise, they may swallow the cards by mistake.

n this case, consult a doctor immediately.

Do not hang down from this product or use this product as a pedestal.

Failure to observe this may cause injury or accidents

■ Do not install this product on a place that is greatly influenced by wind.

Installation on a place where the wind speed is 60 m/s {approx. 134 mph} or more may cause a fall of the product resulting in injury or accidents.

- Do not sprinkle more water, exceeding the performance limit of waterproof with a high pressure cleaning machine, etc.
- Fire or electrical shock may be caused by immersion.
- Do not attempt to disassemble or modify this product.
- Failure to observe this may cause fire or electric shock. Consult the dealer for the repair or inspections.
- Do not install or clean the camera, or touch this product, the power cable or the connected cables during thunder storms.

Failure to observe this may cause electric shock.

Refer installation work to the dealer.

Installation work requires technique and experience. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Be sure to consult the dealer

■ Stop the operation immediately when something is wrong with this product.

When smoke goes up from the product, the smell of smoke comes from the product, or the exterior of the product has deteriorated, continued use will cause a fire or fall of the product resulting in injury, or damage to the product. In this case, turn the power off immediately and contact qualified service personnel for service.

■ Select an installation area that can support the total weight.

Selecting an inappropriate installation surface may cause this product to fall down or topple over, resulting in injury or accidents. Installation work shall be started after sufficient reinforcement.

Periodic inspections shall be conducted.

Rust on the metal parts or screws may cause a fall of the product resulting in injury or accidents. Consult the dealer for the inspections.

■ The exclusively designed mount bracket shall be used.

Failure to observe this may cause a drop resulting in injury or accidents.

Use the exclusively designed mount bracket for installation.

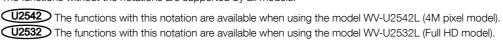
- The screws and bolts must be tightened to the specified torque. Failure to observe this may cause a drop resulting in injury or accidents.
- Turn the power off when do wiring of this product. Failure to observe this may cause electric shock. In addition, short circuit or wrong wiring may cause fire.
- Install this product in a location high enough to avoid people and objects from bumping the product.
- Failure to observe this may cause injury ■ Do not install this product in locations subject to vibration.
- Loosening of mounting screws or bolts may cause a fall of the product resulting in injury or accidents.
- Correctly perform all wiring.
- Short circuits in the wiring or incorrect wiring may cause fire or electrical shock.
- Install the product securely on a wall or a ceiling in accordance with the installation instructions. Failure to observe this may cause injury or accidents
- Do not rub the edges of metal parts with your hand.
- Failure to observe this may cause injury ■ Do not touch the metal part of the bottom side of the product.

The metal part of the bottom side may become hot while the product is in use. Direct skin contact with high-temperature parts of the product may cause burns.

■ Turn the power off when cleaning this product. Failure to observe this may cause injury.

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.



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
- For details concerning licensing and source code of open source software, click "Click here for OSS information" on
- "Support" page of the setup menu of this product and read the displayed content. • Please note that we shall not respond to any inquiries regarding the contents of the source code.

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- Firefox is a trademark of the Mozilla Foundation in the US and other countries • The word "QR Code" is a registered trademark of DENSO WAVE INCORPORATED in Japan and other countries.
- All other trademarks identified herein are the property of their respective owners.

Precautions for installation

Panasonic i-PRO Sensing Solutions Co., Ltd. assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this documentation.

■ In order to prevent injury, the product must be securely mounted to a wall or ceiling according to Installation Guide.

Installation area for this product

- Select an appropriate place for the installation area (such as a strong wall or ceiling) in your particular environment.
- Make sure that the installation area is strong enough to hold this product, such as a concrete ceiling. Install the camera in the foundation area of the architecture or where sufficient strength is assured.
- Do not mount the product on a plaster board or a wooden section because they are too weak. If the product is unavoidably mounted on such a section, the section shall be sufficiently reinforced.

■ Install the product in areas that do not receive direct sunlight When the product is installed outside in areas that receive direct sunlight, such as on external walls, use the optional

"Sun Shade WV-QSR500-W or WV-Q7118". ■ Do not place this product in the following places

Locations where a chemical agent is used such as a swimming pool

- Locations subject to moisture or oil smoke such as a kitchen
- Locations that have a specific environment that is subject to an inflammable atmosphere or solvents • Locations where a radiation, an X-ray, a strong radio wave or a strong magnetic field is generated
- Locations near coasts directly subjected to sea breezes, or locations subject to corrosive gases such as from hot springs, volcanic regions, etc.
- Locations where the temperature is not within the specified range
- Locations subject to vibrations, such as on vehicles, marine vessels, or above product lines (This product is not
- Locations subject to condensation as the result of severe changes in temperature Locations near rubber products (packing, rubber feet, etc.)

Screw tightening

Do not use an impact driver. Use of an impact driver may damage the screws or cause tightening excessively.

■ About reflection of light from outside or IR light

- A ghost may appear on the screen depending on the incident angle of external light. In the case of using the IR light, installation of a camera near a wall may cause reflection of infrared rays resulting in
- a part of the screen or the entire screen turning whitish. • Refer to our support website <Control No.: C0109> for image examples and measures to take.

Take notice of humidity Install this product when the humidity is low. If installation is performed when it is raining or in very humid conditions,

the inside may be affected by humidity, causing mist-over inside the dome cover. ■ Protection from lightning When cables are used outdoors, there is a chance that they may be affected by lightning. In such a case, install a lightning arrestor close to the camera, and make the length of the network cable between the camera and lightning

arrestor as short as possible to prevent the camera from being affected by lightning.

■ When noise disturbance may happen Noise may appear in video or audio near a strong electric field from a TV or radio antenna, motors and transformers, or a strong electric field/magnetic field from a power line (lamp line) of AC100 V or more. Conduct the power distribution work to keep 1 m (3-15/16 inches) away from them or conduct the electric conduit work using metal pipes.

(Be sure to make ground connection of the metal pipes.) ■ Make sure to remove this product if it will no longer be used.

■ Equipment classification and power source indication label

This product has no power switch. When turning off the power, disconnect the power supply from the PoE device.

About the battery battery is installed inside the camera. Do not leave the battery exposed in environments of excessive heat as a result of sunlight or fire.

Refer to the indication label on the bottom side of this unit for the equipment classification, power source, and other

information.

Troubleshooting Before requesting service, refer to "Troubleshooting" of Basic Information and Operating Instructions. Then, confirm

Specifications* *For further information, refer to the Basic Information.				
Power source *1:	PoE (IEEE802.3af compliant)			
Power consumption *1:	PoE DC 48 V : 150 mA/ Approx. 7.2 W (Class 0 device) U2542 PoE DC 48 V : 140 mA/ Approx. 6.7 W (Class 0 device) U2532			
Operating environment Ambient operating temperature:	-30 °C to +50 °C {-22 °F to +122 °F} (Power On range: -20 °C to +50 °C {-4 °F to +122 °F})			
Ambient operating humidity:	10 % to 100 % (no condensation)			
Storage environment Storage temperature: Storage humidity: Waterproof *2:	-30 °C to +60 °C {-22 °F to +140 °F} 10 % to 95 % (no condensation) IP66 (IEC 60529), Type 4X (UL50E) NEMA 4X compliant			
Shock resistance:	IK10 (IEC 62262)			
Wind resistance:	Up to 40 m/s {approx. 89 mph}			
Dimensions:	ø154 mm × 103 mm (H) {ø6-1/16 inches × 4-1/16 inches (H)} Dome radius 42 mm {1-21/32 inches}			
Mass:	Approx. 1.0 kg {2.21 lbs}			
Finish:	Main body : Aluminum die cast/ PC resin, i-PRO white Outer fixing screws : Stainless steel (Corrosion-resistant treatment) Dome cover : Polycarbonate resin, Clear			
Others:	Tamper-resistant enclosure ^{*3}			

*1 Refer to our support website <Control No.: C0106> for further information about Power source and Power consumption information *2 Only when installation work is properly performed according to the Installation Guide and appropriate

waterproof treatment is performed *3 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

Optional accessories*

Ceiling mount bracket

Dome cover (Smoke type):	WV-CW7S	(Smoke type with clear sight coating)		
, , ,		Dome cover: (Clear type with clear sight	WV-CW7CN coating)	
	<i-pro brackets="" white="">*3 *4</i-pro>	<light brackets="" gray="">*3</light>	<fine brackets="" silver="">*3</fine>	
Sun shade*5:	WV-QSR500-W	WV-Q7118	-	
Base bracket:	WV-QJB501-W	WV-Q193	-	
Ceiling mount bracket:	WV-QEM500-W	-	WV-Q169A	
Ceiling mount bracket:	WV-QCL501-W	WV-Q178	WV-Q121B	
Wall mount bracket:	WV-QWL501-W	WV-Q185	WV-Q122A	
Mount bracket:	WV-QSR501-W	WV-Q186	WV-Q124	
Pole mount bracket:	WV-QPL500-W	WV-Q182	WV-Q188	
Corner mount bracket:	WV-QCN500-W	WV-Q183	WV-Q189	
Attachment Pipe Bracket:	WV-QAT500-W	WV-Q179	WV-Q123A	
*1 Refer to our support web	site <control c0501="" no.:=""> f</control>	or further information about	optional accessories.	

WV-Q105A*2 Dome cover:

WV-CW7SN

.. 1 pc.

. 1 pc.

. 1 pc.

. 1 pc.

- *2 This product can only be installed indoors when WV-Q105A is used to install it on the ceiling.
- *3 Refer to our support website <Control No.: C0112> for further information about combinations of each bracket
- *4 Scheduled to be released soon. Refer to our support website <Control No.: C0501> for further information. *5 When using Sun shade (WV-QSR500-W or WV-Q7118), Base bracket (WV-QJB501-W or WV-Q193) is
- Standard accessories

Fixing screws for attachment plate

 $(M4 \times 8 \text{ mm } \{5/16 \text{ inches}\})$.

	Installation Guide (this document)			
	*1 This label may be required for network management. Use caution not to lose this label.			
	The following parts are used during installation procedures.			

. 1 pc. RJ45 waterproof connector cover ...

5 pcs. Bit (Hex wrench, screw

.1 sheet Attachment for the conduit ..

(of them, 1 for spare) size 6.35 mm {1/4 inches} T20) ...

RJ45 waterproof connector cap...

Other items that are needed (not included)

Template:

Attachment plate.

• Fixing screw				
Installation method	Recommended screw ¹	Minimum pull-ou strength*2		
Directly mount : Directly mount the camera onto the ceiling or wall.	M4/ 4pcs. M4*3/ 2pcs.	196 N {44 lbf}		
Junction box : Mount the camera to a junction box.	M4/ 4pcs.	196 N {44 lbf}		
Base bracket : Mount the camera using the WV-QJB501-W or WV-Q193.	M4/ 4pcs.*4	196 N {44 lbf}		
Mount the camera using the exclusively designed mount bracket (See "Optional accessories").	Refer to the op of each bracke	erating instructions t.		

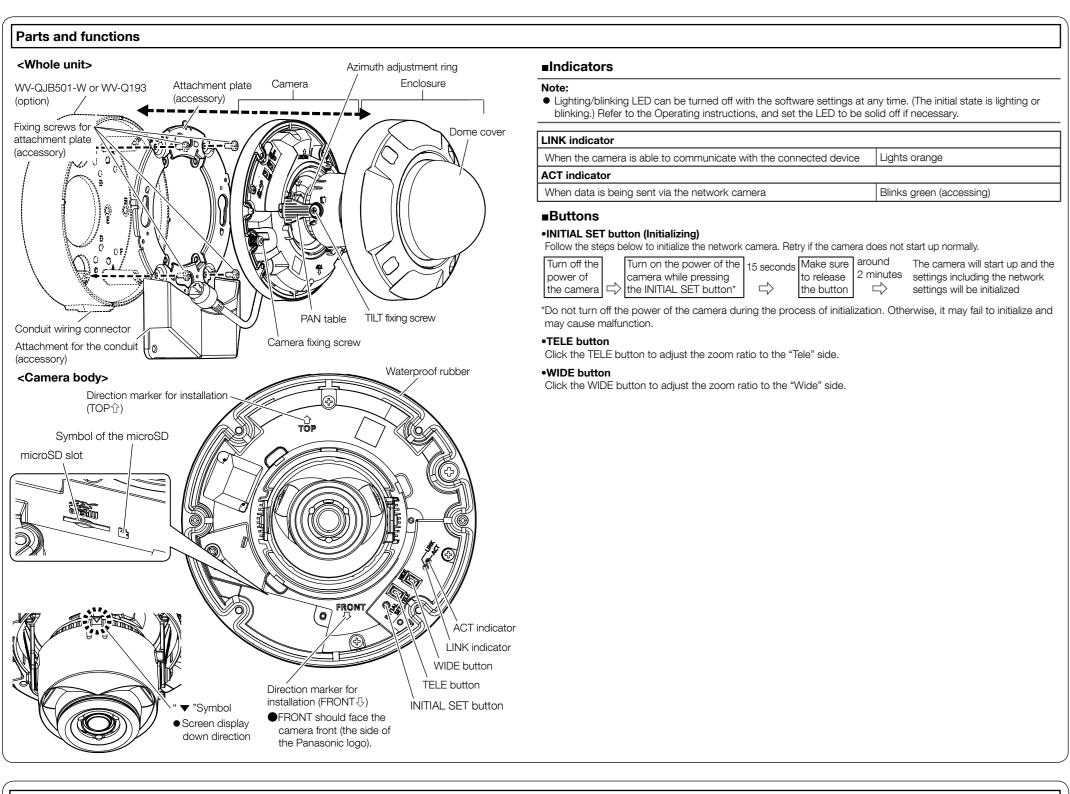
*1 Select screws according to the material of the location that the camera will be mounted to. In this case,

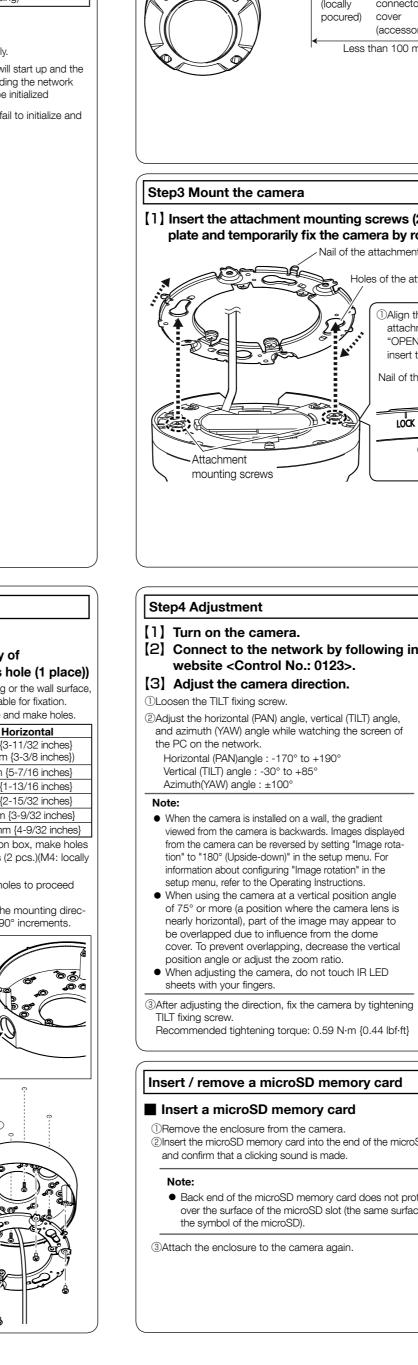
*2 For information about the minimum pull-out strength, refer to our support website <Control No.: C0120>. *3 When using the attachment for the conduit

*4 2 pcs. when mounting WV-QJB501-W or WV-Q193 to a single-gang junction box

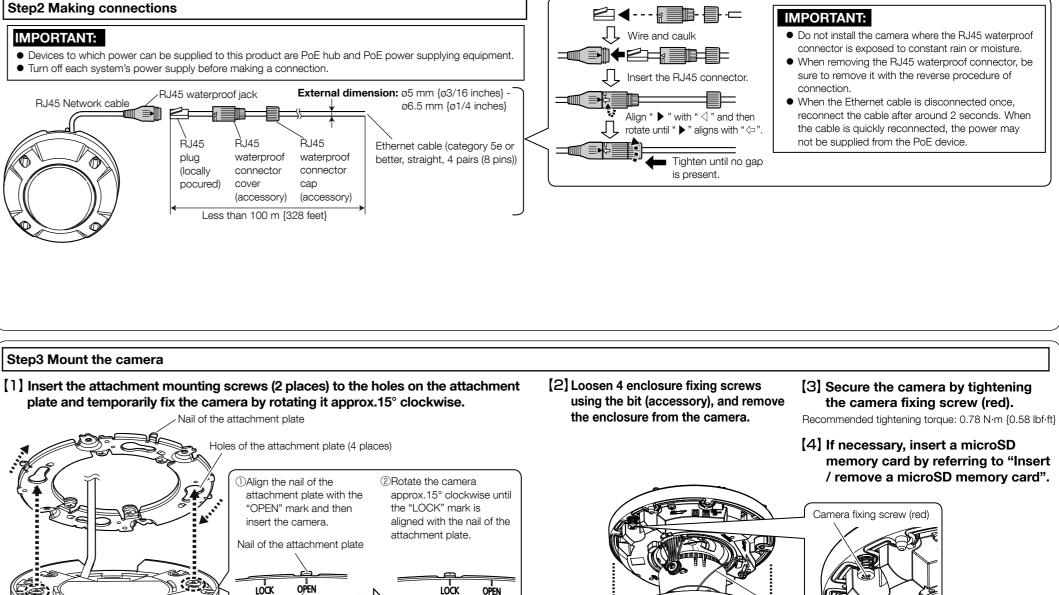
wood screws and nails should not be used.

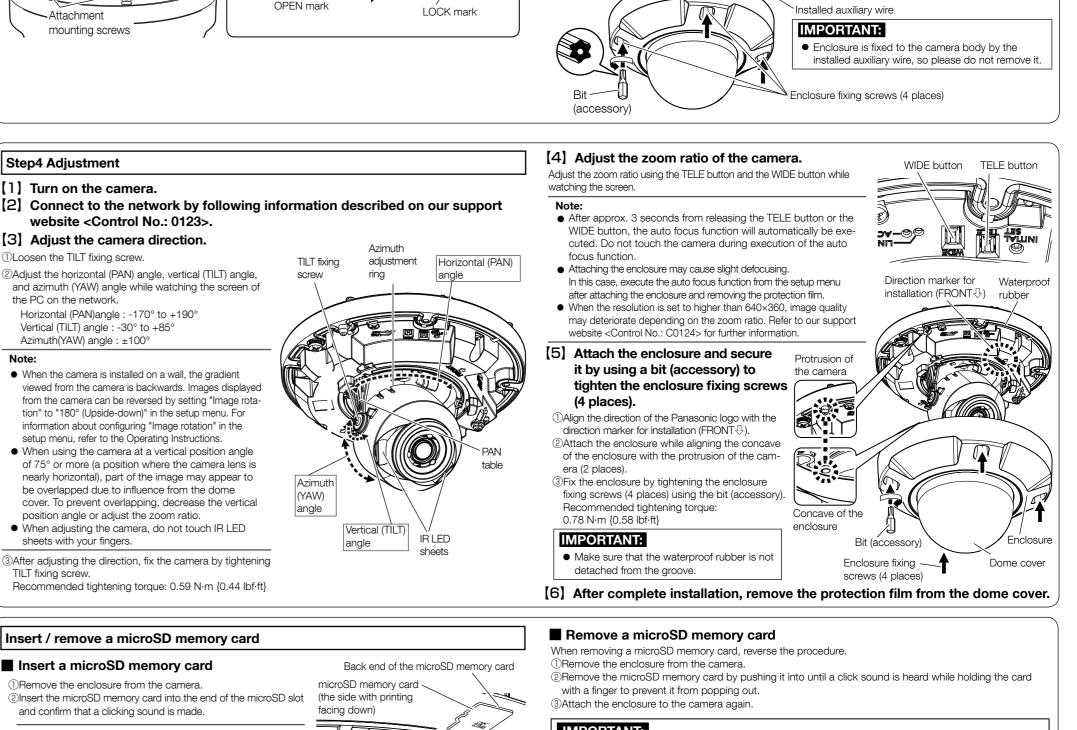
•RJ45 plug, Ethernet cable (category 5e or better, straight, all 4 pairs (8 pins)) Tools

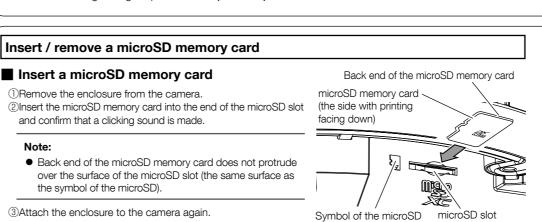




mounting screws







• When removing a microSD memory card, make sure to set "SD memory card" to "Not use" on the [SD memory card] tab of the setup menu before removing the microSD memory card. After removing the memory card, set back the "SD memory card" to "Use". For information about the setup menu, refer to the Operating Instructions.

- When using a microSD memory card, format it using this product. Refer to the Operating Instructions for how to format a microSD memory card.
- Use the compatible microSD memory cards. Refer to our support website <Control No.: C0107> for latest information about the compatible microSD memory cards.

