**Precautions**

**Precautions for installation**

Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this documentation.

**Power supply**

This product has no power switch.

When performing electrical work, make sure this product can be turned on and off. When cleaning this product, turn off the system power supply.

Do not use this product in the following places:

- Locations where a chemical agent is used such as a swimming pool
- Locations subject to moisture or condensation such as a kitchen
- Locations that have a specific environment that is subject to an inflammable atmosphere or smoke.
- Locations where a radiation source (e.g., VHF-Radio, etc.) is installed or magnetic field is generated.
- Locations near power sources such as those for spark plugs or electric stoves.
- Locations subject to vibrations, such as on vehicles, marine vessels, or locations subject to abrupt movement.

**Sulfuration caused by rubber products**

Do not place this product near rubber products (plastic, rubber, etc.) that contain sulfur. This is a salt that can cause rubber products to melt or burn. Be sure to install the safety wire.

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. Lowering of mounting screws or bolts may cause the product resulting in injury or accidents.
[1] Prepare four mounting screws (M8) to be mounted on wall or ceiling separately.

**Installation method**

*Mounting screw* | M8x34 (4 pcs.)  | 3.0 [mm]  | 5.5 [mm]  | 0.45 [kgf]  | 1797 [644 lb-in]
*Mounting screw* | M8x30 (4 pcs.)  | 3.0 [mm]  | 5.5 [mm]  | 0.45 [kgf]  | 1159 [416 lb-in]

*Note:*  
- Use the screws and washers provided with this product.
- The following parts are used during installation procedures.
- Before performing the following tasks, store the camera in the packing box of this product.
- In the figure of the packing box of this product:
  - The extended safety wire (accessory) is attached to the camera body attachment port.  
  - The attachment ring is attached to the optical fiber cord attachment port of the mount bracket.

**External 24 V AC power source line**

Remove the power cable case secured to the upper side of the camera (inside of this product) with four screws (M4), and pull out the power supply terminal (24 V AC) stored inside. Dispose of the removed power cable case.

**Power cable case**

- Do not touch the metal terminal of the SFP module or bring an electric object close to the terminal. Failure to observe this may cause malfunction due to static electricity.

**Optical fiber cord**

- Use what is included in the SFP module, the type of optical connector LC connector (accessory side).
- Check the position of the light termination box in which the optical fiber cable is laid.
- The necessary length of the optical fiber cord is calculated by subtracting the length difference between the camera attachment port and the light termination box from approximately 240 mm (9-7/16 inches).

**Recommended tightening torque:** 2.45 N·m (0.18 lbf·ft)

**Installation to the wall**

- Mark the wall for attachment:
  - Mark four holes in the wall to fix WV-Q122A.
  - If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Prepare an optical fiber cord with an LC duplex connector (Hereafter referred to as “LC connector”). Please be careful not to confuse with “LC removal clip type connector” between the SFP module and light termination box.
- Pass the optical fiber cord through the two slits in the attachment port of the mount bracket.
- Install the SFP module inside SFP module socket. Insert the SFP cap into the SFP module socket and conduct wire processing.

**External 24 V AC power source line**

- The length between the light termination box and the camera attachment port of the mount bracket to approximately 240 mm (9-7/16 inches).
- Insert the SFP cap (removed from the SFP module) inside of the SFP cap fixing screws (2 positions with a screwdriver). Do not loosen the SFP cap fixing screws.
- Install the SFP module into SFP module socket. Tighten the SFP module inside SFP module socket with the SFP cap fixing screws.

**Recommended tightening torque:** 2.45 N·m (0.18 lbf·ft)

**Optical fiber cord**

- Attached to the safety wire of the camera body to the wall hole of a wall mount bracket.
- If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Mount bracket.
- Attach the safety wire of the camera body to the wall hole of the wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.

**Recommended tightening torque:** 2.45 N·m (0.18 lbf·ft)

**Article 12**

**RJ45**

- Engage the RJ45 waterproof connector cover with the external power line separately.
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Article 13**

**Connection to the optical fiber cord to the SFP module**

- Place the optical fiber cord with SFP cap on the camera, and push the LC connector of the optical fiber cord into the optical fiber port of the SFP module until the lock mechanism works.
- Pass SFP cap back to the original position. Recommended tightening torque: 1.38 N·m (0.10 lbf·ft)

**Notes:**
- The necessary length of the optical fiber cord is calculated by subtracting the length between the light termination box and the camera attachment port from approximately 240 mm (9-7/16 inches).
- The length between the light termination box and the camera attachment port should be approximately 240 mm (9-7/16 inches).  
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Installation to the wall**

- Mark the wall for attachment:
  - Mark four holes in the wall to fix WV-Q122A.
  - If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Prepare an optical fiber cord with an LC duplex connector (Hereafter referred to as “LC connector”). Please be careful not to confuse with “LC removal clip type connector” between the SFP module and light termination box.
- Pass the optical fiber cord through the two slits in the attachment port of the mount bracket.
- Install the SFP module inside SFP module socket. Insert the SFP cap into the SFP module socket and conduct wire processing.

**External 24 V AC power source line**

- The length between the light termination box and the camera attachment port to approximately 240 mm (9-7/16 inches).
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Optical fiber cord**

- Attached to the safety wire of the camera body to the wall hole of a wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.
- If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Mount bracket.
- Attach the safety wire of the camera body to the wall hole of the wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.

**Recommended tightening torque:** 2.45 N·m (0.18 lbf·ft)

**Article 14**

**Connection to the optical fiber cord to the SFP module**

- Place the optical fiber cord with SFP cap on the camera, and push the LC connector of the optical fiber cord into the optical fiber port of the SFP module until the lock mechanism works.
- Pass SFP cap back to the original position. Recommended tightening torque: 1.38 N·m (0.10 lbf·ft)

**Notes:**
- The necessary length of the optical fiber cord is calculated by subtracting the length between the light termination box and the camera attachment port from approximately 240 mm (9-7/16 inches).
- The length between the light termination box and the camera attachment port should be approximately 240 mm (9-7/16 inches).  
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Installation to the wall**

- Mark the wall for attachment:
  - Mark four holes in the wall to fix WV-Q122A.
  - If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Prepare an optical fiber cord with an LC duplex connector (Hereafter referred to as “LC connector”). Please be careful not to confuse with “LC removal clip type connector” between the SFP module and light termination box.
- Pass the optical fiber cord through the two slits in the attachment port of the mount bracket.
- Install the SFP module inside SFP module socket. Insert the SFP cap into the SFP module socket and conduct wire processing.

**External 24 V AC power source line**

- The length between the light termination box and the camera attachment port to approximately 240 mm (9-7/16 inches).
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Optical fiber cord**

- Attached to the safety wire of the camera body to the wall hole of a wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.
- If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Mount bracket.
- Attach the safety wire of the camera body to the wall hole of the wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.

**Recommended tightening torque:** 2.45 N·m (0.18 lbf·ft)

**Article 15**

**Connection to the optical fiber cord to the SFP module**

- Place the optical fiber cord with SFP cap on the camera, and push the LC connector of the optical fiber cord into the optical fiber port of the SFP module until the lock mechanism works.
- Pass SFP cap back to the original position. Recommended tightening torque: 1.38 N·m (0.10 lbf·ft)

**Notes:**
- The necessary length of the optical fiber cord is calculated by subtracting the length between the light termination box and the camera attachment port from approximately 240 mm (9-7/16 inches).
- The length between the light termination box and the camera attachment port should be approximately 240 mm (9-7/16 inches).  
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Installation to the wall**

- Mark the wall for attachment:
  - Mark four holes in the wall to fix WV-Q122A.
  - If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Prepare an optical fiber cord with an LC duplex connector (Hereafter referred to as “LC connector”). Please be careful not to confuse with “LC removal clip type connector” between the SFP module and light termination box.
- Pass the optical fiber cord through the two slits in the attachment port of the mount bracket.
- Install the SFP module inside SFP module socket. Insert the SFP cap into the SFP module socket and conduct wire processing.

**External 24 V AC power source line**

- The length between the light termination box and the camera attachment port to approximately 240 mm (9-7/16 inches).
- Recommended tightening torque: 2.45 N·m (0.18 lbf·ft)

**Optical fiber cord**

- Attached to the safety wire of the camera body to the wall hole of a wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.
- If wiring is laid from the back side of the wall, make a hole for wiring, too. (For the positions of the holes, refer to the Operating Instructions for WV-Q122A.)
- Mount bracket.
- Attach the safety wire of the camera body to the wall hole of the wall mount bracket (WV-Q122A). For detailed installation information and procedure, refer to the operating instructions of each mount bracket.

**Recommended tightening torque:** 2.45 N·m (0.18 lbf·ft)