Standard accessories

- SD/SDHC/SDXC memory card in description as SD memory card.
- SD/SDHC/SDXC memory card in description as SD memory card.

Connect the power cable

- The 12 V DC power supply shall be insulated from the commercial AC power. Be sure to use the 0 power cord (accessory) provided with this product.
- Be sure to use the SD power cord (accessory) for the 12 V DC power supply terminal. Otherwise, it may cause a malfunction.
- When installing the camera, make sure that the external force applied to the power cable is transferred to the camera itself. Be sure to use an AC adapter compatible with the Specifications (written in the indication label on the bottom side of this unit) regarding power source and power consumption.

Note:
- Make sure that the PoE device in use is compliant with IEEE802.3af standard.
- Make sure that the 12 V DC power supply plugged into the PoE hub or router is not plugged into the PoE port.
- If a 12 V DC power supply and a PoE hub or router are used at the same time, network connection may not be possible. In this case, disable the PoE settings. (For details, refer to the operating instructions of the PoE hub.)
- In the situation where a 12 V DC power supply is plugged into a PoE hub, using the PoE hub for power supply is switched to the PoE hub, and the 12 V DC power supply plugged into the LAN cable will be disconnected. When using an 12 V DC power supply, the PoE hub or router is not required.

Connect an alarm input/output cable

- The maximum cable length is 100 (328 feet).
- Make sure that the alarm input/output cables are not plugged into the PoE port.
- When connecting the 12 V DC power supply and the PoE supply for power supply, 12 V DC will be used for power supply.
- If a 12 V DC power supply and a PoE hub or router are used at the same time, network connection may not be possible. In this case, disable the PoE settings. (For details, refer to the operating instructions of the PoE hub.)
- When using 12 V DC power supply, the PoE hub or router is not required.

Connect a LAN cable to the network connector

- **Note:** Do not connect 2 or more directly to a terminal. When it is necessary to connect 2 or more wires, use a splitter.

* Recommended cable length from the microphone : less than 1 m {3.28 feet}.
* Recommended cable length from the speaker : less than 10 m {32.8 feet}.

Recommended cable length

- **Output impedance:** Approx. 0.0 on (unbalanced)
- **Recommended loading resistance :** Less than 10 ohms (2.0 V)
- **Output level :** –20 dB

Connect an microphone to the microphone/line input terminal

- **Input specification :** No-voltage make contact input (4 V - 5 V DC, internally pulled up)
- **Close :** Output voltage 1 V DC or less (maximum drive current: 50 mA)
- **ON :** Make contact with GND (required drive current: 1 mA or more)

Connect a LAN cable (category 5e or 5a, ethernet) to the network connector

- **Note:** Use a UTP cable category 5e or better, except when directly connecting the camera to a PC. (Recommended cable length from the speaker : less than 10 ohms (2.0 V))
- **Recommended cable length from the microphone :** less than 1 m {3.28 feet}.
- **Recommended cable length from the microphone :** less than 1 m {3.28 feet}.

Connect to a network using a PoE hub

- **Note:** The equipment is not equipped with a PoE function. The PoE function is not available.
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**Installation**

The installation tasks are explained using 5 steps.

### Step 1 Preparations

- **Step 1** Mount the camera to the attachment plate.
- **Step 2** Connect the camera to the attachment plate.
- **Step 3** Configure the network settings.

### Step 2 Fixing the attachment plate

#### (1) Using a two-gang junction box

- **46 mm (1-3/16 inches)**
- **83.5 mm (3-9/32 inches)**
- **3.0 mm (0.12 inches)**

- **Requirements for the various installation methods.**

#### (2) Using the Attachment plate

- **46 mm (1-3/16 inches)**
- **83.5 mm (3-9/32 inches)**

### Step 3 Mount the camera to the attachment plate

- **Loosen 2 enclosure fixing screws.**
- **Loosen the cross-head side of tilt table fixing screw (on one side), and incline the tilt table while keeping the TOP indicator of the camera side panel with the tab of the inner cover.**
- **Mark the camera lens head facing the front (i.e. the direction of FRONT marker on the camera).**
- **Perform the \[Time & date\] settings in the “Setup” - “Basic” page.**
- **Press the PUSH mark on both sides of the inner cover at the same time, and proceed to the following step.**

### Step 4 Configure the network settings

#### (1) Turn on power to the camera by connecting the LAN cable (for the LAN power source) or by connecting the power source directly to the power adapter.
- **Connect the camera to the network.**
- **Configure the network settings.**
- **When mounting the camera on an insufficiently strong ceiling or wall, 2 anchor bolts x 2 (per 1 pc.) are necessary.**
- **There are 2 attachment strength types.**

#### (2) Directly mount the camera onto the ceiling or wall using the 3-in-1 mounting bracket (JS-V1100B).**

- **Mount the camera on the two-gang junction box using the 3-in-1 mounting bracket (JS-V1100B).**

#### (3) WV-Q174B or (4) WV-Q105A

- **Loosen 2 enclosure fixing screws**
- **Loosen the cross-head side of tilt table fixing screw (on one side), and incline the tilt table while keeping the TOP indicator of the camera side panel with the tab of the inner cover.**

### Step 5 Adjust the zoom and focus.

- **Adjust the focus by pressing the auto focus button (AF) button.**
- **When the focusing SD MOUNT indicator is continual illuminated, adjust the focus by pressing the SD ON/OFF button (about 2 seconds).**

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**IMPORTANT:**

- **Step 5:** Configure the network settings.
- **Step 4:** Adjustment
- **Step 3:** Mounting the camera on the attachment plate
- **Step 2:** Fixing the attachment plate
- **Step 1:** Preparations

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**Configuration of the camera so that it can be accessed from a PC**

The following are descriptions for when the camera with default settings is configured. If you are using firewall software, it may not be able to connect to the network camera. Please refer to your system administrator or your Internet service provider for information about configuring the settings of the network camera.

#### (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].**
- **When cameras are displayed in [Panasonic IP Setting] screen, click the camera you want to configure, and click [Access].**