Standard accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD-ROM&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Warranty card</td>
<td>1 set</td>
</tr>
<tr>
<td>This manual contains the operating instructions and different kinds of tool software programs.</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup> The detailed specifications on the right side of this page describe each terminal and cable.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD MOUNT indicator</td>
<td>1 pc.</td>
</tr>
<tr>
<td>SD indicator</td>
<td>1 pc.</td>
</tr>
<tr>
<td>LINK indicator</td>
<td>1 pc.</td>
</tr>
<tr>
<td>SD MOUNT cover</td>
<td>1 pc.</td>
</tr>
</tbody>
</table>

<sup>2</sup> Data Matrix is our website address converted into a two-dimensional bar-code. Depending on the scanning application used, the Data Matrix may not be able to be read correctly.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2P power cable (accessory)</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Microphonic line cable</td>
<td>1 pc.</td>
</tr>
<tr>
<td>Power cord</td>
<td>1 pc.</td>
</tr>
<tr>
<td>4P alarm cable (accessory)</td>
<td>1 pc.</td>
</tr>
<tr>
<td>LAN cable (category 5 or better, straight)</td>
<td>1 pc.</td>
</tr>
</tbody>
</table>

<sup>3</sup> SD MOUNT card slot cover

### Making connections

#### Connect the power cable

- **Power supplier:**
  - **AC 100-240 V (50/60 Hz)**
  - **5.5 V DC**
- **Input specifications:**
  - **Input voltage:** ±10% of 5.5 V DC
  - **Input current:** 200 mA or less
- **Power consumption:**
  - **AC 100-240 V (50/60 Hz):** 1.5 W maximum
  - **5.5 V DC:** 0.8 W maximum

#### Connect the power adapter

- **Output specifications: Same as above.**

#### Connect an external amplifier speaker to the audio output jack

- **Input specifications:**
  - **Type:** Line input
  - **Power supply terminal:** 2.5 V ±0.5 V
  - **Input level:** Approx. 0 to -10 dBV
- **Output specifications:**
  - **Type:** Balanced output
  - **Input impedance:** 1 kΩ
  - **Output level:** -10 dBV

### Making Connections

- **SD MOUNT card slot cover**:
  - Use 4 of 4 pins (2 pins of the LAN cable category 5 or better, straight, STP)
  - **Maximum length:** 100 m (328 ft)
  - **Input specifications:**
    - **Input voltage:** ±10% of 5.5 V DC
    - **Input current:** 200 mA or less
  - **Power consumption:**
    - **AC 100-240 V (50/60 Hz):** 1.5 W maximum
    - **5.5 V DC:** 0.8 W maximum

- **4P alarm cable (accessory)**:
  - **Use as alarm input/output cable.**
  - **Recommended maximum length:** 10 m (32.8 ft)

- **LAN cable (category 5 or better, straight)**:
  - **Use as LAN cable.**
  - **Recommended maximum length:** 100 m (328 ft)

### Connections (continued)

- **LAN cable (category 5 or better, straight)**:
  - Use as LAN cable. 1 pc. (Default: STP, category 5 or better)

- **SD MOUNT card slot cover**:
  - Use 4 of 4 pins (2 pins of the LAN cable category 5 or better, straight, STP)
  - Maximum length: 100 m (328 ft)
  - **Input specifications:**
    - **Input voltage:** ±10% of 5.5 V DC
    - **Input current:** 200 mA or less
  - **Power consumption:**
    - **AC 100-240 V (50/60 Hz):** 1.5 W maximum
    - **5.5 V DC:** 0.8 W maximum

- **4P alarm cable (accessory)**:
  - Use as alarm input/output cable. 1 pc.
  - **Recommended maximum length:** 10 m (32.8 ft)

- **LAN cable (category 5 or better, straight)**:
  - Use as LAN cable. 1 pc. (Default: STP, category 5 or better)

### Connections (continued)

- **LAN cable (category 5 or better, straight)**:
  - Use as LAN cable. 1 pc. (Default: STP, category 5 or better)

- **SD MOUNT card slot cover**:
  - Use 4 of 4 pins (2 pins of the LAN cable category 5 or better, straight, STP)
  - Maximum length: 100 m (328 ft)
  - **Input specifications:**
    - **Input voltage:** ±10% of 5.5 V DC
    - **Input current:** 200 mA or less
  - **Power consumption:**
    - **AC 100-240 V (50/60 Hz):** 1.5 W maximum
    - **5.5 V DC:** 0.8 W maximum

- **4P alarm cable (accessory)**:
  - Use as alarm input/output cable. 1 pc.
  - **Recommended maximum length:** 10 m (32.8 ft)

- **LAN cable (category 5 or better, straight)**:
  - Use as LAN cable. 1 pc. (Default: STP, category 5 or better)
Step1 Preparations

There are 4 methods to install the camera to a ceiling or wall as described below. Prepare the necessary items for each installation method before starting the installation. The following are the requirements for the various installation methods.

**Installation method**

**Recommended**

**Min/imum pull-out screw**

1. Mount the camera on the two-gang junction box. WV-Q122A (accessory)

2. Mount the camera on the ceiling or wall using 4 fixing screws (M4, 83.5 mm {3-9/32 inches} length) (accessory).

3. When installing on a ceiling using the WV-Q121B (ceiling hanging mount bracket) and WV-Q124 (ceiling mounting mount bracket).

4. When installing on a wall using the WV-Q121B (wall mount bracket) and WV-Q124 (wall mounting mount bracket).

- Use 4 screws (M4, 83.5 mm {3-9/32 inches} length) (accessory) to fix the attachment plate.
- Use 4 screws (M4, 83.5 mm {3-9/32 inches} length) (accessory) to base bracket.

**Step2 Fixing the brackets**

1. **Using a two-gang junction box**

2. **Directly mount the camera to the ceiling or wall using the attachment plate**

3. **Mount the camera to the ceiling or wall using the attachment plate**

**Step3 Mount the camera to the attachment plate**

1. Check the position of attachment mounting screws on the bottom side of the mount bracket.

2. Connect the camera to the attachment plate according to the instructions in “Making connections”, and mount the camera by inserting the attachment mounting screws into the holes of the attachment plate (accessory).

3. **(Recommended tightening torque: 0.78 N·m {0.58 lbf·ft})**

**Step4 Adjustment**

1. **Loosen the SD memory card slot cover fixing screw on the side of the camera using the [Back] button (accessory), and open the SD memory card slot cover.**

2. **Turn on the camera.** The LINK indicator on the camera will light up.

3. **Locate the SD memory card slot cover and open the SD memory card slot cover.**

4. **Ensure that the SD memory card slot cover is securely closed.**

5. **Check the position of attachment mounting screws on the bottom side of the mount bracket.**

6. **Connect the camera to the attachment plate according to the instructions in “Making connections”, and mount the camera by inserting the attachment mounting screws into the holes of the attachment plate (accessory).**

7. **(Recommended tightening torque: 0.78 N·m {0.58 lbf·ft})**

**IMPORTANT:**

- Make sure to detach the SD card from the camera before removing the SD card slot cover.
- After the SD card slot cover has been detached, insert the SD card into the slot to secure it in place.
- The camera will be in sleep mode if the SD card has not been inserted.
- To remove the SD card, hold down the SD ON/OFF button for about 2 seconds.
- When the SD MOUNT indicator is off, you can remove the SD card from the camera.
- If you do not press the SD ON/OFF button after replacing the SD memory card, the SD MOUNT indicator will not turn off.
- To remove the SD card, hold down the SD ON/OFF button for about 2 seconds. When the SD MOUNT indicator goes out, you can remove the SD card from the camera.
- If you do not press the SD ON/OFF button after replacing the SD memory card, the SD MOUNT indicator will not turn off.
- To remove the SD card, hold down the SD ON/OFF button for about 2 seconds. When the SD MOUNT indicator goes out, you can remove the SD card from the camera.
- If you do not press the SD ON/OFF button after replacing the SD memory card, the SD MOUNT indicator will not turn off.
- To remove the SD card, hold down the SD ON/OFF button for about 2 seconds. When the SD MOUNT indicator goes out, you can remove the SD card from the camera.
- If you do not press the SD ON/OFF button after replacing the SD memory card, the SD MOUNT indicator will not turn off.