Perform installation and connection only after gaining sufficient understanding of the system and this manual. The illustrations used in this manual may differ from the actual stations.

**Example of System Configuration**

- IX-MV7-HB
- IX-MV7-HW
- IX-MV7-B
- IX-MV7-W

**Status Indicator**

Refer to "IX-MV7-* Operation Manual" for additional indicators not listed below.

<table>
<thead>
<tr>
<th>Status (pattern)</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange flashing</td>
<td>Normal flashing</td>
</tr>
<tr>
<td>Rapid flashing</td>
<td>Device error, startup error</td>
</tr>
<tr>
<td>Long interval flashing</td>
<td>Communication failure, Line supervision and device check error</td>
</tr>
<tr>
<td>Long irregular flashing</td>
<td>Firmware version updating, initialising</td>
</tr>
<tr>
<td>Blue light</td>
<td>Standby (Depends on setting)</td>
</tr>
</tbody>
</table>

**Precautions**

### Warning

- Do not disassemble or modify the device.
  - May cause fire or electrical shock.
- Do not, under any circumstances, open up the device.
  - Voltage within some internal components may cause electrical shock.

### Caution

- Do not install or connect the device with the power on.
  - May cause electrical shock or malfunction.
- Do not turn on power without first checking to make sure the wiring is correct and there are no improperly terminated wires.
  - May cause fire or electrical shock.
- Install the device in a position where it will not easily be brushed against by somebody’s shoulder, etc.
  - Failure to do so could result in injury.

### Precautions for mounting

- In 50Hz regions, if a wiring fluorescent light shines directly into the camera, it may cause the image to flicker. Either shield the camera from the light or use an inverter fluorescent light.
- Installing the device in the following locations could cause malfunction:
  - Locations exposed to direct sunlight
  - Locations that get hot
  - Locations close to a heater or cooling equipment
  - Locations where there is risk of exposure to liquid, dust, oil, or chemicals
  - Locations with high humidity
  - Bathrooms, basement, greenhouse, etc.
  - Locations with low temperature
  - Inside a cool storage environment, the front of a cooler, etc.
  - Locations close to a source of smoke or steam
  - Locations close to a gas heater or a cooking space, etc.
  - Substances environments such as a hot spring area
  - Locations close to the sea or directly exposed to sea breeze
  - If existing wiring is used, the device may not operate properly. In that case, it will be necessary to replace the wiring.
  - Do not, under any circumstances, use an impact driver to fasten screws. Doing so may cause damage to the device.
How to Install

The illustrations explain installation using the IX-MV7-HW model.

Installation of Master Station

**Back wiring**

1. Attach the mounting bracket.
2. Connect the option connector (included) and the low-voltage lines using the crimping method, then connect the option connector, the low-voltage lines and Cat-5e/6 cable.
3. Attach the unit to the mounting bracket.
4. Attach the handset.

**Surface wiring**

1. Attach the mounting bracket.
2. Connect the option connector (included) and the low-voltage lines using the crimping method, then connect the option connector, the low-voltage lines and Cat-5e/6 cable.

**Mounting on the desktop stand**

1. Assemble the desktop stand.
2. Attach the unit to the mounting bracket.
3. Attach the mounting bracket to the desktop stand.
4. Attach the mounting bracket to the desktop stand.
5. Fasten the unit and the desktop stand together with a desktop-stand fastening screw (included) from the back of the desktop stand. (Viewed from the back, there is a desktop-stand fastening screw hole in the lower center.)

**Camera View Range and Mounting Position**

**Camera View adjustment**

Using the camera angle adjustment lever, the camera can be tilted down (0° to -20°). Please adjust the camera to the optimal position.

**Camera view range**

The camera range as illustrated is only an approximate indication and may vary according to the environment.

When installed on a flat desktop (with desktop stand at 45° and camera angle at the lowest position [-20°])

- Vertical: 1,300mm (4' 3")
- Horizontal: 1,000mm (3' 3")

When installed on a flat desktop (with desktop stand at 30° and camera angle at the lowest position [-20°])

- Vertical: 1,850mm (6' 1")
- Horizontal: 1,500mm (4' 11")

The dimensions are approximate in this page.
How to Install

<Wall mounting>

Vertical

Camera angle 0°

Horizontal

Camera angle -20°

The dimensions are approximate in this page.
When light enters the camera, the monitor screen may flicker brightly or the subject may become dark. Try to prevent strong lighting from entering the camera directly.

How to Connect

Connection Precautions

- For connection between devices, use a straight-through cable.
- If necessary, when bending the cable, please observe the manufacturer’s recommendations. Failure to do so could cause a communication failure.
- Do not strip away the cable insulation any more than is necessary.
- Perform termination in accordance with TIA/EIA-568A or 568B.
- Before connecting the cable, be sure to verify conduction using a LAN checker or similar tool.
- Never use twisted-pair cable or coaxial cable.
- A RJ45 covered connector cannot be connected to the LAN ports of the master stations or the door stations. Use cables without covers on the connectors.
- Perform termination in accordance with TIA/EIA-568A or 568B.
- If necessary, when bending the cable, please observe the manufacturer’s recommendations. Failure to do so could cause a communication failure.

Connection and disconnection of low-voltage lines

- Insert the line into the quick connection terminal.
- If the line does not go in easily, push the low-voltage line into the terminal while pressing down the detachment button.
- 2Pr quad V twisted pair cables cannot be used.
- Never use twisted-pair cable or coaxial cable.

When connecting low-voltage lines, perform the connection using either the crimp sleeve method or soldering, then insulate the connection with electrical tape.

Connection and disconnection of low-voltage lines

- Insert the line into the quick connection terminal.
- If the line does not go in easily, push the low-voltage line into the terminal while pressing down the detachment button.
- 2Pr quad V twisted pair cables cannot be used.
- Never use twisted-pair cable or coaxial cable.

When connecting low-voltage lines, perform the connection using either the crimp sleeve method or soldering, then insulate the connection with electrical tape.

Wiring Connection

- Insulate and secureunused low-voltage lines and the connector-attached lead wire.