**Installation Guide**

**Network Camera**

Model No. WV-S3131L, WV-S3111L, WV-S3532LM, WV-S3512LM

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**Safety Instructions**

1. **Installing to a One-Gang Junction Box**
   - Take care when installing to a one-gang junction box, as there may be exposed live parts inside. (Refer to the shape of the junction box.)

2. **Installation**
   - To prevent injuries and protect the cables, avoid sharp edges.

3. **Important Information**
   - To prevent injuries and protect the cables, avoid sharp edges.

4. **Processing of Side Cable Access Hole**
   - If a side cable access hole is left open, a person may fall into the camera or be caught by the cables.

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**About Notations**

The following table shows the describing functions of the listed conditional notes.

- The function is supported by all models.
- The function is supported by WV-S3131L and WV-S3532LM.
- The function is supported by WV-S3111L and WV-S3512LM.
- The function is available when using the Model No. WV-S3131L.
- The function is available when using the Model No. WV-S3532LM.

**Important Safety Instructions**

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use the apparatus near water.
6. Clean only with dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the installation instructions.
8. Do not install near heat sources such as radiators, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

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**Troubleshooting**

Before requesting service, refer to "Troubleshooting" of Important Information in the CD-ROM and Operating Instructions on the Panasonic support website. Then, confirm the trouble.

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**Open Source Software**

- This product contains open source software licensed under GPL, LGPL, Public Domain (Zlib/LibXML), etc.
- Customers can acquire the source code of the software under licenses of GPL, LGPL, Public Domain (Zlib/LibXML), etc.
- Refer to the "legal file" in the provided CD-ROM for further information about open source software licensed under the various licenses.

- Please note that Panasonic shall not respond to any inquiries regarding the contents of the source code.

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**Preparations**

**Installation Method**

- When installing a camera to a ceiling or wall

**Mounting Screed / Mounting Bracket**

- Mounting Screed (2 places)
- Mounting Bracket (2 places)

**Removing the Enclosure**

1. Using the bit (accessory), loosen the enclosure fixing screws (3 places).
2. Hold the two sides of the enclosure.
3. Remove the packaging from the inside of the dome cover.
4. Hold down on both sides of the enclosure and remove it.
5. Remove the packaging from the inside of the dome cover.

**Inserting a microSD Card**

Follow the steps below to insert the microSD card:

1. Insert the microSD card into the microSD slot on the side of the camera facing up.
2. Insert the microSD card into the side of the microSD slot and confirm that a clicking sound is made.
3. After confirming a clicking sound is made, take your fingers off the microSD memory card and ensure that its back end does not protrude over the surface of the microSD slot.

**Processing of Side Cable Access Hole**

When installing the camera directly on the ceiling or wall with cables passing through a side cable access hole, open a cable access hole on the side of the enclosure, and pass the cable through the side of the enclosure.

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**About the user manuals**

Project documentation is composed of the following documents:

1. Installation Guide (this document): Explains installation, mounting cables, and connecting the field of view.
2. Important information (included in the CD-ROM): Provides basic information about the product such as precautions for installation and operation.
3. Operating instructions (on the Panasonic support website): Explains how to perform the settings and how to operate the unit.

**Important notes**

- Step 1: Processing the ceiling or wall

**Step 2: Making connections**

- Connect the Ethernet cable to the RJ45 network terminal.
Step 2 Making connections

1. Connect the Ethernet cable (category 5e or better, straight) to RJ45 network cable.
2. Connect the RJ45 waterproof connector cover (M12: locally procured) to the RJ45 waterproof jack (accessory) with the "mark" of the M12 (female) Network cable connected to the camera.
3. Tighten the 2 fixing screws on the front of the dome cover using a 2mm (0.08 in.) hex wrench.

Step 3 Mount the camera

1. Mount the camera directly on the ceiling or wall. Attach the camera with two M4: 6mm rubber screws (accessory) (1 pc. each).
2. IMPORTANT: When tightening the screws (locally procured), be careful to ensure that the fixing screws do not go too far inside, so that the camera does not emerge from the rear cover.
3. When using the RJ45 waterproof connector, be sure to loosen the RJ45 waterproof connector cover before connecting the RJ45 waterproof connection to the RJ45 waterproof connector cover.
4. After the camera is secured, connect power to the system. (power from a PoE hub, etc.)

Step 4 Configure the network settings

1. Insert the provided CD-ROM into the CD-ROM drive of your PC.
2. Click the [Run] button next to [IP Setting Software].
3. Select the camera you want to configure.
4. IMPORTANT: If the launcher window is not displayed, double-click the "CDLauncher.exe" file on the CD-ROM.
5. The Launcher window will be displayed.

Step 5 Adjust the camera’s angle of view

1. Adjust the horizontal (PAN) angle by pinching the side parts of the camera unit.
2. Adjust the azimuth (YAW) angle and vertical (TILT) angle.

Step 6 Attach the enclosure

1. Attach the enclosure matching the dome cover side of the enclosure and the camera front. (1 mark in the illustration below) so that the camera unit is covered by the dome cover.
2. Attach the enclosure to the camera by using the 4 bolts (accessory) to tighten the enclosure fixing screws (3 places) using a 2mm (0.08 in.) hex wrench.

Parts and functions

- **LINK indicator**: When the camera is able to communicate with the connected devices.
- **SD ERROR**: When the microSD card is not used or is abnormally detected in microSD memory card after the camera has started.
- **Lights**: When the camera unit is mounted on the ceiling or wall, the gradient view from the camera is backscattered images captured from the periphery of the camera's view may be visible. Use Extra zoom when you want to adjust the angular field of view on the tele side. For information about configuring "Extra zoom", refer to our Panasonic support website.