System Configuration Example

Wireless Video Intercom System
VL-SWD501

Video Intercom System
VL-SVN511

System Units
Main Monitor Station VL-MM501
Wireless Monitor Station VL-M511
Door Station VL-V555
DECT Repeater VL-FKD2
Wireless Sensor Camera VL-WD812

System Units
Main Monitor Station VL-MM501
Door Station VL-V554
Mobile Devices
Wireless Monitor Station VL-WD613
DECT Repeater VL-FKD2
Wireless Sensor Camera VL-WD812

DISTRIBUTED BY:
Stylish Premium Wireless Model

Wireless Video Intercom System

**VL-SWD501**

**Main Monitor Station**

**VL-MWN511**

**2 Wire**

**E-mail Notification**

You can use your smartphone or tablet as a sub monitor to respond to visitors and unlock electric locks no matter where you are in the home. You can also monitor doorphone images when you want to check the door entrance.

**Wi-Fi Connection**

In addition to smartphones/tablets, the main monitor can also wirelessly connect to the Wi-Fi router for easy connections without a cable. You can configure Wi-Fi settings using a simplified method (called WPS).

**Other Features**

- Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.
- Voice Changer
- Intercom Call

**Options**

- 5-inch Wide Screen
- Touch Panel
- SD Card Recording
- DECT Wireless

Smartphone Connect Model

Video Intercom System

**VL-SVN511**

**Main Monitor Station**

**VL-MVN511**

**2 Wire**

**Smartphone Connect**

You can use your smartphone or tablet as a sub monitor to respond to visitors and unlock electric locks no matter where you are in the home. You can also monitor doorphone images when you want to check the door entrance.

**Wi-Fi Connection**

In addition to smartphones/tablets, the main monitor can also wirelessly connect to the Wi-Fi router for easy connections without a cable. You can configure Wi-Fi settings using a simplified method (called WPS).

**Other Features**

- Supports iOS and Android™ (free application)*
  - iPhone 5 and later, iPad (iOS 7.0 or later)
  - Android smartphones and tablets (Android 4.0 or later)
- Electric Lock Release Support: AC12V-1A/DC12V-1A
- Wide-Angle Camera (Horizontally:170˚, Vertically:115˚)
- SD Card Recording (Stores up to 3,000 video recordings, each 30 sec in length)
- Wireless Sensor Cameras Connectable
- Flexible and Easy Expandability
- Easy Extension
- Voice Changer
- Intercom Call

**Options**

- Door Station (Surface mount) VL-V554
- Wireless Monitor Station (Sub Monitor) VL-WD613
- Wireless Sensor Camera VL-WD812
- DECT Repeater VL-FKD2

* Some mobile devices may not be compatible.
* For the latest information about the app and compatible devices, visit the following website.

http://panasonic.net/pcc/support/intercom/smartphone/
**VIEW AND TALK FLEXIBLY**

Panasonic offers various Video Intercom System models to flexibly suit the size of your house and your lifestyle.

---

**Smartphone Connect Model: VL-SWN511**

Door Station x 1, Main Monitor x 1

**Comparison Chart**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>VL-SWD501</th>
<th>VL-SWN511</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Connectable Units</td>
<td>Main Monitor</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Smartphone/Tablet</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Wireless Sub-Monitor</td>
<td>6 (DECT)</td>
</tr>
<tr>
<td></td>
<td>Door Station (Doorphone)</td>
<td>2 (Die-Cast Aluminium)</td>
</tr>
<tr>
<td>Recording</td>
<td>Movie/Picture Recording</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SD Card Recording</td>
<td></td>
</tr>
<tr>
<td>Connectable Devices</td>
<td>Sensor Camera</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electric Lock Release (Door Opener)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Repeater</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>Night Vision (LED Light)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch Panel/Pan &amp; Tilt</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wide-Angle Camera</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intercom Call</td>
<td>Wireless</td>
</tr>
</tbody>
</table>

---

**Wiring Schematic Diagram**

**VL-SWD501**

- Main monitor – Doorphone
- Main monitor – Power supply unit
- Power supply – AC power source
- Doorphone – Electric lock
- Main monitor – Connection device for option output (A contact)
- Wireless sensor camera – Power supply unit
- Power supply unit – AC power source
- Doorphone – Electric lock
- Wireless sensor camera – External sensor

**VL-SWN511**

- Main monitor – Doorphone
- Main monitor – Power supply unit
- Power supply – AC power source
- Main monitor – Relay box
- Relay box – Electric lock
- Main monitor – Connection device for option input (B contact)
- Main monitor – Connection device for option output (B contact)

---

**Wiring Type and Length**

<table>
<thead>
<tr>
<th>Wiring run</th>
<th>Diameter (mm)</th>
<th>Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main monitor – Doorphone</td>
<td>0.65 mm 22 AWG</td>
<td>10 m</td>
</tr>
<tr>
<td></td>
<td>1.0 mm 18 AWG</td>
<td>130 m</td>
</tr>
<tr>
<td>Main monitor – Power supply unit</td>
<td>0.65 mm 22 AWG</td>
<td>10 m</td>
</tr>
<tr>
<td></td>
<td>1.0 mm 18 AWG</td>
<td>130 m</td>
</tr>
<tr>
<td>Power supply – AC power source</td>
<td>0.65 mm 22 AWG</td>
<td>10 m</td>
</tr>
<tr>
<td></td>
<td>1.0 mm 18 AWG</td>
<td>130 m</td>
</tr>
<tr>
<td>Doorphone – Electric lock</td>
<td>0.5 mm - 1.2 mm (24 AWG - 17 AWG)</td>
<td>50 m</td>
</tr>
<tr>
<td></td>
<td>1.2 mm - 2.0 mm (17 AWG - 12 AWG)</td>
<td>No requirement</td>
</tr>
<tr>
<td>Wireless sensor camera – Power supply unit</td>
<td>0.65 mm 22 AWG</td>
<td>10 m</td>
</tr>
<tr>
<td></td>
<td>1.0 mm 18 AWG</td>
<td>20 m</td>
</tr>
</tbody>
</table>

---

*1 Make sure to only connect electric vehicle gate locks to the S3/S4 terminals of the doorphones.
*2 Make sure to only connect electric door locks to the S1/S2 terminals of the doorphones.

---

*NP: Non-polarised.*
### Model Composition

<table>
<thead>
<tr>
<th>Model Composition</th>
<th>VL-MVN511</th>
<th>VL-V554EX</th>
<th>VL-V555EX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model number and name</td>
<td>VL-MVN511</td>
<td>VL-V554EX</td>
<td>VL-V555EX</td>
</tr>
<tr>
<td>Power source</td>
<td>Power supply (VL-PS240)</td>
<td>Power supply (VL-PS240)</td>
<td>Power supply (VL-PS240)</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>82 x 110 x 25 mm</td>
<td>101 x 165 x 21 mm</td>
<td>118 x 160 x 54 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>160 g</td>
<td>240 g</td>
<td>395 g</td>
</tr>
</tbody>
</table>

### Power source

<table>
<thead>
<tr>
<th>Power supply unit (VL-PS240)</th>
<th>Power supply unit (VL-PS240)</th>
<th>Power supply unit (VL-PS240)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input: 220-240 V AC, 0.1 A, 50/60 Hz</td>
<td>Input: 220-240 V AC, 0.2 A, 50/60 Hz</td>
<td>Input: 220-240 V AC, 0.1 A, 50/60 Hz</td>
</tr>
<tr>
<td>Output: 24 V DC, 0.5 A</td>
<td>Output: 24 V DC, 0.6 A</td>
<td>Output: 5.5 V DC, 0.5 A</td>
</tr>
</tbody>
</table>

### Dimensions (Excluding protruding sections)

- **VL-SWD501EX:** 160 x 118 x 30 mm
- **VL-V554EX:** 173 x 52 x 30 mm
- **VL-V555EX:** 180 x 165 x 21 mm

### Weight

- **VL-SWD501EX:** 141 g
- **VL-V554EX:** 161 g
- **VL-V555EX:** 161 g

### Power consumption

- **Standby:** Approx. 0.4 W
- **During operation:** Approx. 10 W
- **During charging:** Approx. 1.4 W

### Display

- **Language:** English, French, Germany, Spanish, Italy, Dutch
- **Display:** 5-inch wide colour / WVGA (800x480 pixel)

### Compatibility of Main Monitor and Door Station

- **Compatible:** Yes

### Notes

* Min. resistance is only assured if the doorphone is installed correctly, according to the instructions in the Installation Guide, and appropriate water protection measures are taken.

* Do not install the camera in areas directly exposed to water or rain.

* The minimum distance required when the camera’s [Brightness] setting is [-2].

* Approximately 0.5 meters in front of the camera, and itis when it is 3 meters and 90° to the left of the camera.