Key Features

• **Wireless Handset:**
  Check visitors and respond promptly from everywhere in the home and even while you are doing something else, by wireless handset. Up to 4 wireless monitor connectable. Max wireless range is 100 m with no obstacles. You can add on repeaters expand the range.

• **Picture Recording Function:** The intercom records the images of up to 400. (50 separate sessions: 1 session consists of 8 shots)

• **5-inch Wide Screen:** Main monitor offer easy viewing at wide angles both vertical and horizontal.

• **Voice Change Function:** This function makes woman’s voice (higher keys) sounds like a man’s (lower keys).

• **Intercom Call:** Both the main monitor station and the sub monitor station can transfer a door call using the same operation. When using multiple sub monitor stations, you can make intercom calls between the sub monitor stations.

• **Electric Lock Release Support (Door Opener):**
  The door lock can be easily and quickly released even from the second floor of the house.

• **Night Vision with LED lights (illumination lamp):**
  Door Station is equipped with LED lights (illumination lamp). It enables the colour display of visitors at a distance of about 50 cm at night.

• **Expanding your system with optional units**

  **Units required to be registered to the main monitor station**
  - Adding a sub monitor station:
    Wireless monitor (up to 4 units including your original unit)
  - Expanding the range of the system (radio wave range):
    Repeater (up to 2 units)

  **Units required to be installed**
  - Adding a door station: Door station (up to 2 units including your original unit)
  - Operating the door opener: Door opener (up to 2 units)
  - Using with Panasonic PBX:
    Connecting to a PBX allows you to answer calls from the door station using additional machines (extensions).
    Please use only a Panasonic PBX.

  **Units required to be installed**
  - Door opener
  - PBX
  - Terminal box

  **Accessory information**
  - For the sub Monitor station: AC adaptor (Cord length: Approx. 1.8 m) x 1, Battery x 1, Battery cover x 1, Charger x 1, Charger stand x 1
  - For the Door Station: Wood screws (3.8 mm x 20 mm) x 2
  - For the Main Monitor Station: Mounting bracket x 1, Wood screws (4 mm x 16 mm) x 2

  **Optional Accessories**
  - Door Station (Doorphone): VL-V522LBX, VL-V522LSX
  - Door Station (Doorphone): VL-V566BX
  - Wireless Monitor (Sub monitor station): VL-W605BX, VL-W605CX, VL-W605AZ
  - Repeater: VL-FAN1BX, VL-FAN1CX
  - Lobby Station: VL-V590BX, VL-V590CX

  **Relative Product**
  - Main Monitor Station (Main monitor): VL-MV251BX, VL-MV251CX, VL-MV251SX
  - Up to 20 Main monitors connectable
  - Cannot be connected to the VL-SW251AZ.
### Specifications

<table>
<thead>
<tr>
<th>Model Composition</th>
<th>VL-SW251X (VL-W251BX x 1, VL-W050BX x 1, VL-V522L) / VL-SW251CX (VL-W251CX x 1, VL-W050CX x 1, VL-V522L)</th>
</tr>
</thead>
</table>

### VL-MW251BX/CX/AZ

**Model number and name**
- Main Monitor Station (Main monitor)
- Door Station (Doorphone)
- Wireless Monitor (Sub monitor station)

**Dimensions**
- 1450 mm
- 99 mm
- 83.5 mm

**Power supply**
- 100 ~ 240 V AC, 50/60 Hz

**Power consumption**
- Standby: Approx. 0.04 A
- During operation: Approx. 0.28 A

**Dimensions (H x W x D)**
- (Excluding protruding sections)
  - Approx. 190 x 165 x 38 mm
  - Approx. 131 x 99 x 36.5 mm

**Weight**
- Approx. 115 g (including the stand)
- Approx. 157 g (including the battery)

**Operating environment**
- 0 °C to 40 °C, up to 90 % RH
- 0 °C to 40 °C, up to 80 % RH

**Display**
- Approx. 5-inch, wide colour display

**Loop resistance**
- 10 Ω or lower

**Frequency**
- 2.402 GHz – 2.481 GHz

**Viewing angle**
- Vertically: Approx. 66˚
- Horizontally: Approx. 87˚

**Frequency**
- 2.402 GHz – 2.481 GHz

**Input/output wiring**
- Terminal box
- Wall mount bracket

**External material**
- Flame retardant PS resin

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### VL-V590BX/CX

**Model number and name**
- Main body
- Charger

**Dimensions**
- 190 mm
- 157 mm

**Power supply**
- 100 V – 240 V AC, 50/60 Hz

**Power consumption**
- Standby: Approx. 0.02 A
- During operation: Approx. 0.28 A

**Dimensions (H x W x D)**
- (Excluding protruding sections)
  - Approx. 131 x 99 x 36.5 mm

**Weight**
- Approx. 165 g (including the battery)

**Operating environment**
- 0 °C to 40 °C, Up to 90 % RH

**Display**
- 1.8˝ colour LCD monitor

**Power consumption**
- During operation: Approx. 0.08 A
- Standby: Approx. 0.02 A

**Viewing angle**
- Horizontally: Approx. 55˚

**Installation method**
- Wall mount

**External material**
- Flame retardant ABS resin

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### VL-W605BX/CX/AZ

**Model number and name**
- Main body
- Charger

**Dimensions**
- 190 mm
- 165 mm

**Power supply**
- 100 – 240 V AC, 50/60 Hz

**Power consumption**
- Standby: Approx. 0.02 A
- During operation: Approx. 0.28 A

**Dimensions (H x W x D)**
- (Excluding protruding sections)
  - Approx. 131 x 99 x 36.5 mm

**Weight**
- Approx. 115 g (including the stand)
- Approx. 115 g (including the battery)

**Operating environment**
- 0 °C to 40 °C, Up to 90 % RH

**Display**
- Approx. 5-inch, wide colour display

**Power consumption**
- During operation: Approx. 0.03 A
- Standby: Approx. 0.02 A

**Viewing angle**
- Vertically: Approx. 57˚

**Installation method**
- Wall mount bracket

**External material**
- Flame retardant ABS resin

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### VL-V522L

**Model number and name**
- Main Monitor Station (Main monitor)

**Dimensions**
- 131 mm
- 99 mm

**Power supply**
- AC adaptor
- 2.4 GHz – 2.481 GHz

**Power consumption**
- During operation: Approx. 0.08 A
- Standby: Approx. 0.02 A

**Dimensions (H x W x D)**
- (Excluding protruding sections)
  - Approx. 131 x 99 x 36.5 mm

**Weight**
- Approx. 785 g

**Installation method**
- Wall mount

**External material**
- Flame retardant ABS resin

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### VL-FAN1CX

**Model number and name**
- Optional Repeater for Wireless Monitor

**Dimensions**
- 90 mm
- 66 mm

**Power supply**
- 100 V – 240 V AC, 50/60 Hz

**Power consumption**
- During operation: Approx. 0.08 A
- Standby: Approx. 0.02 A

**Dimensions (H x W x D)**
- (Excluding protruding sections)
  - Approx. 131 x 99 x 36.5 mm

**Weight**
- Approx. 785 g

**Installation method**
- Wall mount

**External material**
- Flame retardant ABS resin

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### VL-FAN1BX/CX

**Model number and name**
- Optional Repeater for Wireless Monitor

**Dimensions**
- 90 mm
- 66 mm

**Power supply**
- 100 V – 240 V AC, 50/60 Hz

**Power consumption**
- During operation: Approx. 0.08 A
- Standby: Approx. 0.02 A

**Dimensions (H x W x D)**
- (Excluding protruding sections)
  - Approx. 131 x 99 x 36.5 mm

**Weight**
- Approx. 785 g

**Installation method**
- Wall mount

**External material**
- Flame retardant ABS resin

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### Installing the Main Monitor

- Example: Installation height is 1450 mm (standard position).

**Side view**
- Centre of the door station
- 1450 mm

**Top view**
- Image range: 960 mm

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### Installing the Doorphone

- Example: Installation height is 1450 mm (standard position).

**Side view**
- Centre of the door station
- 1450 mm

**Top view**
- Image range: 960 mm

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### Wiring schematic diagram

- **Door station 1**
  - Allen polar
  - Door opener 1
  - PBX
  - Terminal box

- **Door station 2**
  - Allen polar
  - Door opener 2
  - PBX

- **Power plug**
  - (100 ~ 240 V AC)

- **Wiring type and length**
  - Wired (between the main monitor station and the door station):
    - Type: General cable CAT-3
    - Distance: Maximum 50 m
  - **Wiring (between the main monitor station and PBX):**
    - Type: General cable CAT-3 or 22 AWG
    - Distance: Maximum 100 m

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### Important

- Safety Precaution: carefully read the operating instructions and installation manual before using this product.

- The actual product may vary slightly from photographs.
- Weights and dimensions are approximate.
- Design and Specifications are subject to change without notice.
- These products may be subject to export control regulations.