Key Features

- **Wireless Handset:**
  Check visitors on Wireless Monitor, respond promptly and talk from living room, kitchen, everywhere home and while you are doing something else. Up to 6 wireless monitor connectable. Max wireless range is 100m with no obstacles. You can add on repeaters expand the range. Up to 2 DECT repeater connectable.

- **Large Touch Panel:**
  The main monitor has a large, 5 inch wide screen that clearly shows each visitor’s face. You can simply touch the screen to activate an approximate 2x zoom horizontally and vertically.

- **Electric Lock Support for Gate:**
  The gate or door lock can be easily and quickly released even from the second floor of the house.

- **Wide-Angle Camera:**
  Wide-angle lens covers approximately 170 degrees horizontally and 115 degrees vertically.

- **SD Card Recording:**
  Automatically record video images of visitors to SD card. It will record up to 3,000 visitors (30 seconds per visitor). (The SD Memory Card is sold separately.)

- **Wireless Sensor Cameras:**
  By installing the optional DECT Wireless Sensor Camera, you can use human (heat) and motion sensors to monitor locations that you are concerned about. Up to 4 wireless sensor camera connectable.

### Wiring Schematic Diagram

#### Accessory Information

For the Sub Monitor: AC adaptor x 2 (PNLV226BX [2 pin AC plug] / PNLV226E [3 pin AC plug]), Rechargeable batteries x 2, Charger x 1

For the Door Station: `VL-V554BX>` Mounting base x 1 & screw (3.8 mm x 20 mm) x 2, Screw (4 mm x 12 mm) x 4, Name plate x 2, Hex wrench x 1

For the Main Monitor Station: Power supply unit* (VL-PS241) x 1, Mounting bracket x 1, Cable binder x 1, Screw (4 mm x 16 mm) x 2

*Including AC cable x 2, Cable binder x 1, Screw (4 mm x 40 mm) x 2

### Optional Accessories

- **Door Station (Doophone)**
  - VL-V554BX
  - VL-V554UBX
  - VL-WD613BX
- **Wireless Sensor Camera**
  - VL-WD812BX
- **DECT Repeater**
  - VL-FKD2BX
- **Lobby Station**
  - VL-V590BX
  - VL-V590CX
  - Up to 20 Main monitors connectable

### Relative Product

- **Main Monitor Station (Main monitor)**
  - VL-MWD501BX
### Model Composition

**VL-WD5018X**
- Main Monitor Station (Main monitor)
- Door Station (Doorphone)
- Wireless Monitor Station (Sub monitor)
- Power Supply Unit (part)

**VL-V554BX**
- Wireless Sensor Camera
- DECT Repeater

**VL-WD6138X**
- Main body
- Charger

**VL-PS241**
- Power Supply Unit (part)

### Specifications

#### VL-WD5018X

**Model number and name**
- Main Monitor Station (Main monitor)
- Door Station (Doorphone)
- Wireless Monitor Station (Sub monitor)
- Power Supply Unit (part)

**Dimensions**
- Model Composition – Safety Precaution: carefully read the operating instructions and installation manual before using this product.

**Power source**
- Power supply unit (VL-PS241)
- 24 V DC, 0.4 A

**Power consumption**
- During standby: Approx. 1.4 W
- During operation: Approx. 10 W

**Dimensions (H x W x D)**
- 180 x 165 x 21 mm
- VL-V554BX: surface mount
- VL-V554BX: flush mount
- VL-WD612BX: surface mount
- VL-WD612BX: flush mount

**Weight**
- 470 g
- VL-V554BX: 410 g, VL-V554BX: 340 g

**Operating environment**
- 0 °C to 40 °C (Non-condensing)
- 0 °C to 95% RH (Relative Humidity) non-condensing

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

**Frequency**
- 1.88 GHz to 1.90 GHz

**Option output (A contact)**
- Output when there is a call from the doorphone
- Horizontal: Approx. 110°
- Vertically: Approx. 115°

**Installation method**
- Wall mount (mounting bracket supplied)
- Mounting bracket (supplied)
- Flush mounting box (supplied)

**IP rating**
- IP54

**External material**
- Flame retardant ABS and PS resin
- Aluminium and flame retardant PC+PS resin

#### VL-V554BX

**Model number and name**
- Wireless Sensor Camera
- DECT Repeater

**Dimensions**
- Up to 2
- 116 mm x 290 mm
- VL-V554BX: 169 x 118 x 30 mm
- VL-V554BX: 169 x 116 x 16.5 mm

**Power source**
- Power supply unit (VL-PS241)
- 24 V DC, 0.4 A

**Power consumption**
- During standby: Approx. 1.5 W
- During operation: Approx. 2.3 W

**Dimensions (H x W x D)**
- 160 x 118 x 290 mm
- (when the camera is front facing and including the wall mount bracket)

**Weight**
- 960 g
- 860 g (excluding the wall mount bracket)

**Operating environment**
- 20 °C to 50 °C (Non-condensing)
- Up to 90% RH (Relative Humidity) non-condensing

**Maximum illuminance**
- Approx. 100 m (line-of-sight distance from the main monitor)
- Approx. 110 m (line-of-sight distance of the main monitor)

**Image sensor**
- 0.5 M pixels CMOS

**Sensor field of view (camera angle)**
- Horizontal: Approx. 53°
- Vertical: Approx. 41°

**Sensor detection range**
- Heat sensor (when the surrounding temperature is approx. 20°C)
- Horizontal: Approx. 63°, vertical: Approx. 20°
- Motion detection sensor (Horizontal: Approx. 53°, vertical: Approx. 41°)

**Sensor detection method**
- Pyroelectric infrared sensor
- Heat sensor (adjustable angles)
- Heat sensor (adjustable angles)

**IP rating**
- IP54

**Adjustable mounting angles**
- Horizontal: ±90°, vertical: facing forward
- Adjustable: when mounting

**Heat sensor adjustable angles**
- Manually adjustable to 2 angles

**External material**
- Flame retardant PC+ABS resin

#### VL-WD6138X

**Model number and name**
- Wireless Monitor Station (Sub monitor)

**Dimensions**
- Up to 6
- 180 mm x 21 mm
- 169 mm x 20 mm

**Power source**
- Power supply unit (VL-PS241)
- 24 V DC, 0.23 A

**Power consumption**
- Rechargeable Ni-MH (AAA x 2)
- AC adapter (PNL-226BX/PNL-226E)
- 220-240 V AC, 0.1 A, 50/60 Hz

**Dimensions (H x W x D)**
- (excluding sections embedded into the wall)
- 173 x 52 x 30 mm

**Weight**
- 160 g
- (excluding the batteries)

**Operating environment**
- 0 °C to 40 °C (Non-condensing)
- Up to 90% RH (Relative Humidity) non-condensing

**Display**
- Approx. 2 inch, side colour display

**Rated load**
- 24 V AC/DC, 0.3 A or lower

**Power (when the camera is front facing and includes the wall mount bracket)**
- During operation: Approx. 8 W
- During standby: Approx. 1.5 W

**Power supply by the main monitor**
- 20 V DC, 0.23 A
- Rechargeable Ni-MH (AAA x 2)

**External material**
- Flame retardant ABS and PS resin

#### VL-PS241

**Model number and name**
- Power Supply Unit (part)

**Dimensions**
- 1.88 GHz to 1.90 GHz

**Weight**
- 215 g

**Dimensions (H x W x D)**
- 82 x 111 x 39 mm
- (accessory)

**Power source**
- Power supply (VL-PS241)
- 24 V DC, 0.4 A

**Power consumption**
- During standby: Approx. 1.4 W
- During operation: Approx. 10 W

**Weight**
- 82 x 111 x 39 mm
- (including the wall mount bracket)

**Operating environment**
- 20 °C to 50 °C, non-condensing

**Frequency**
- 1.88 GHz to 1.90 GHz

**Input**
- 220-240 V AC, 0.1 A, 50/60 Hz

**Output**
- 6.5 V DC, 0.5 A

**Installation method**
- Wall mount (mounting bracket supplied)
- Mounting bracket (supplied)
- Flush mounting box (supplied)

**IP rating**
- IP54

**External material**
- Flame retardant PC+ABS resin

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1. The minimum illuminance required when the camera’s (Brightness) setting is set to [1].
2. Approx. 6.5 is when 3 m in front of the camera, and adjusting 4. Its range is from 0° to 20° to the left or right of the camera.
3. Water resistance is only assured if the camera 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.

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### Installing the Main Monitor

**Attaching the mounting bracket to the wall securely.**

**Attach the mounting bracket on a vertical flat wall.**

**Installing the Doorphone**

**VL-V554BX (Surface mount)**

** VL-V554BX (Flush mount)**

**Installing the Wireless Camera**

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