



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)

VL-W605BX
VL-W605CX
VL-W605AZ

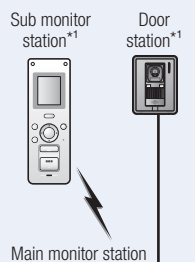
Expanding the range of the system (radio wave range):

Repeater (up to 2 units)

VL-FAN1BX
VL-FAN1CX

Wireless Video Intercom System

VL-SW251



Units required to be installed

Adding a door station: Door station (up to 2 units including your original unit)

VL-V522LBX or VL-V522LSX

VL-V566BX*3

You can also connect an optional lobby station for apartment complexes.*3

Operating the door opener: Door opener (up to 2 units)*2

Door opener

Connecting to a door opener allows you to open the door using the [DOOR KEY] on the main monitor station or the sub monitor station.

PBX

Terminal box

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.

Connectable PBX Model Numbers:
KX-TDA30/100/100D/200/600, KX-TDE100/200/600, KX-NCP500/1000, KX-NS300/500/1000
As of November, 2014

*1 For VL-MW251BX/VL-MW251CX/VL-MW251SX users: The sub monitor station and door station are optional (not included). *2 You can connect up to 2 door openers to the main monitor station. If the main monitor station is connected to a PBX, one of the 2 door openers can be connected to the PBX and operated from the PBX extensions. *3 Cannot be connected to the VL-SW251AZ

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



Main Monitor Station (Main monitor)

VL-MV251BX
VL-MV251CX
VL-MV251SX

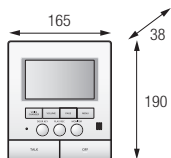
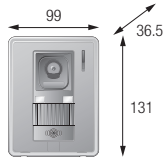
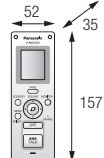
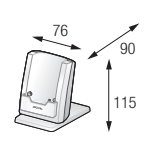


- Up to 20 Main monitors connectable
- Cannot be connected to the VL-SW251AZ.

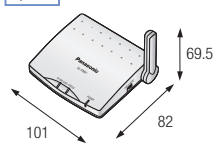
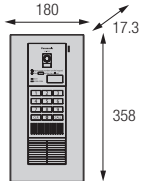
Model Composition

VL-SW251	VL-SW251BX (VL-MW251BX x 1, VL-W605BX x 1, VL-V522L) / VL-SW251CX (VL-MW251CX x 1, VL-W605CX x 1, VL-V522L) / VL-SW251SX (VL-MW251BX x 1, VL-W605BX x 1, VL-V522L) / VL-SW251AZ (VL-MW251AZ x 1, VL-W605AZ x 1, VL-V522L)
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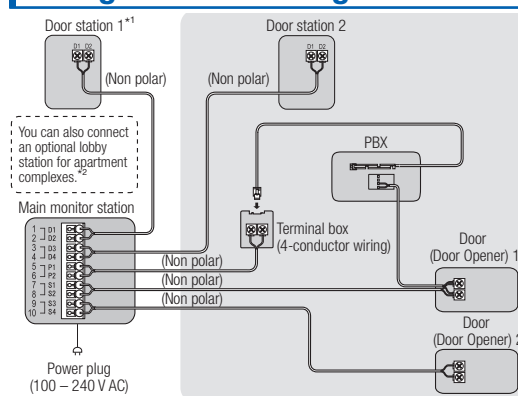
Specifications

	VL-MW251BX/CX/AZ	VL-V522L	VL-W605BX/CX/AZ	
Model number and name	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor (Sub monitor station)	
Dimensions				
Power supply	100 – 240 V AC, 50/60 Hz	Supplied by the Main Monitor Station	Ni-MH battery (3.6 V DC / 650 mAh)	AC adaptor VL-W605BX: POLV219BX (100-240 V AC, 50/60 Hz) VL-W605CX: POLV219E (220-240 V AC, 50/60 Hz) VL-W605AZ: POLV219AZ (220-240 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	Approx. 157 x 52 x 35 mm	Approx. 115 x 76 x 90 mm (using without the stand)
Weight	Approx. 785 g	Approx. 200 g	Approx. 175 g (including the battery)	Approx. 115 g (including the stand)
Operating environment	0 °C to 40 °C, Up to 90 % RH (Relative Humidity) non condensing	-10 °C to 50 °C, Up to 90 % RH (Relative Humidity) non condensing	0 °C to 40 °C, Up to 90 % RH (Relative Humidity) non condensing	0 °C to 40 °C, Up to 90 % RH (Relative Humidity) non condensing
Display	Approx. 5-inch, wide colour display	-	1.8" colour LCD monitor	-
Frequency	2.402 GHz – 2.481 GHz	-	2.402 GHz – 2.481 GHz	-
Viewing angle	-	Horizontally: Approx. 87° Vertically: Approx. 66°	-	-
Installation method	Wall mount (Wall mount bracket included)	Wall mount (Wall mount base included)	-	-
Minimum illuminance required	-	1 lx (within approx. 50cm from the camera lens)	-	-
Lighting method	-	Warm white LED lights, Infrared LEDs	-	-
IP rating/IK rating	-	IPX3*1	-	-
External material	Flame retardant ABS resin	Flame retardant ABS resin	ABS resin	ABS resin

*1 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.

	VL-FAN1BX/CX	VL-V590BX/CX
Model number and name	Optional Repeater for Wireless Monitor	Optional Lobby Station
Dimensions	 *Cannot be connected to the VL-SW251AZ.	 *Cannot be connected to the VL-SW251AZ.
Power supply	AC adaptor (100 – 240 V AC, 50/60 Hz) VL-FAN1BX: 2 pin AC plug VL-FAN1CX: 3 pin AC plug	100 V – 240 V AC, 50/60 Hz VL-V590BX: 2 pin AC plug VL-V590CX: 3 pin AC plug
Power consumption	Standby: Approx. 0.05 A During operation: Approx. 0.08 A	Standby: Approx. 0.02 A During operation: Approx. 0.03 A
Dimensions (H x W x D) (Excluding protruding sections)	Approx. 27 x 101 x 82 mm Approx. 69.5 x 101 x 82 mm (when raising the antenna)	Approx. 358 x 180 x 17.3 mm (Excluding sections embedded into the wall)
Weight	Approx. 85 g	Approx. 2.0 kg
Operating environment	0 °C to 40 °C, Up to 90 % RH (Relative Humidity) non condensing	-10 °C to 50 °C, Up to 90 % RH (Relative Humidity) non condensing
Frequency	2.402 GHz – 2.481 GHz	-
Viewing angle	-	Horizontally: Approx. 87° Vertically: Approx. 66°
Installation method	-	Wall mount (Flush mounted box included)
External material	Flame retardant PS resin	Stainless steel and flame retardant ABS resin

Wiring schematic diagram



*1 For VL-MW251BX/VL-MW251CX/VL-MW251SX users:

The door station is optional (not included).

*2 Connecting an optional lobby station for apartment complexes

Wire type and length

• Wire (between the main monitor station and the door station):

Type	Distance	Loop resistance
General cable CAT-3	Maximum 50 m	10 Ω or lower
General cable 22 AWG (ø 0.65)	Maximum 100 m	

• Wire (between the main monitor station and PBX):

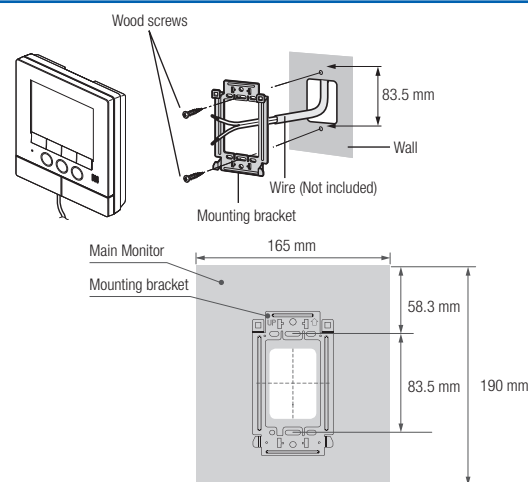
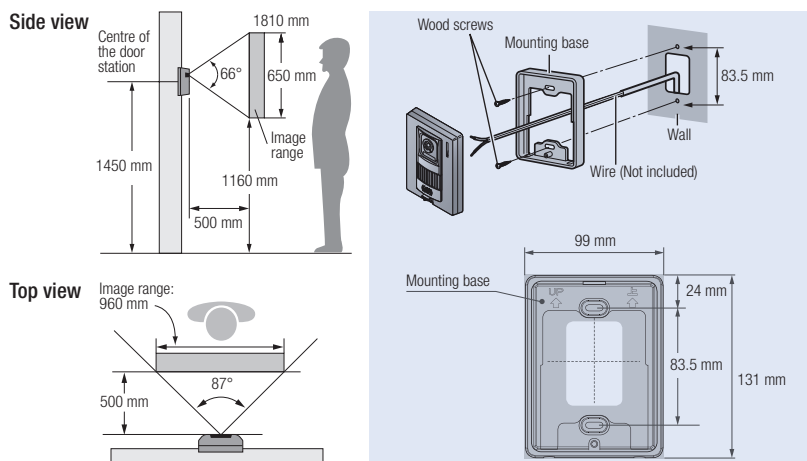
Type: General cable CAT-3 or 22 AWG (ø 0.65)

Distance: Maximum 100 m

Installing the Main Monitor

Installing the Doorphone

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



Important

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

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