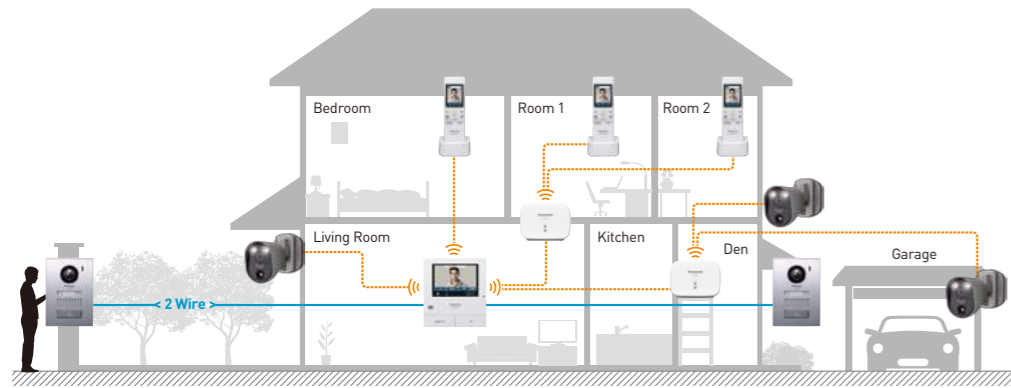







Panasonic

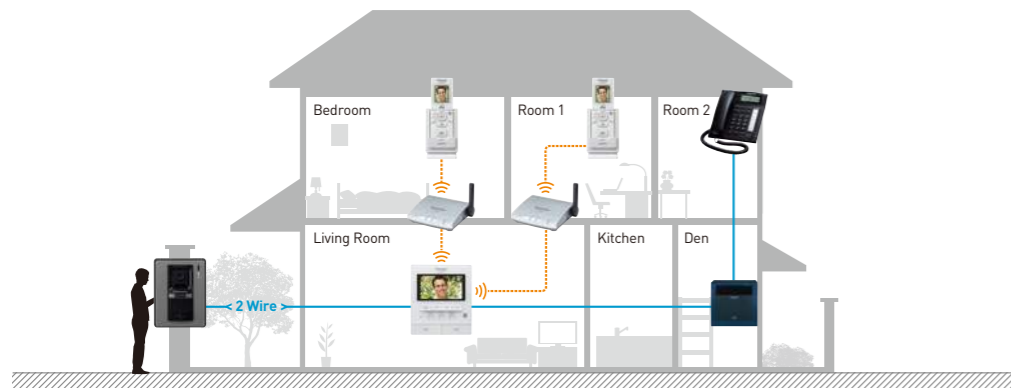
System Configuration Example

Wireless Video Intercom System VL-SWD501



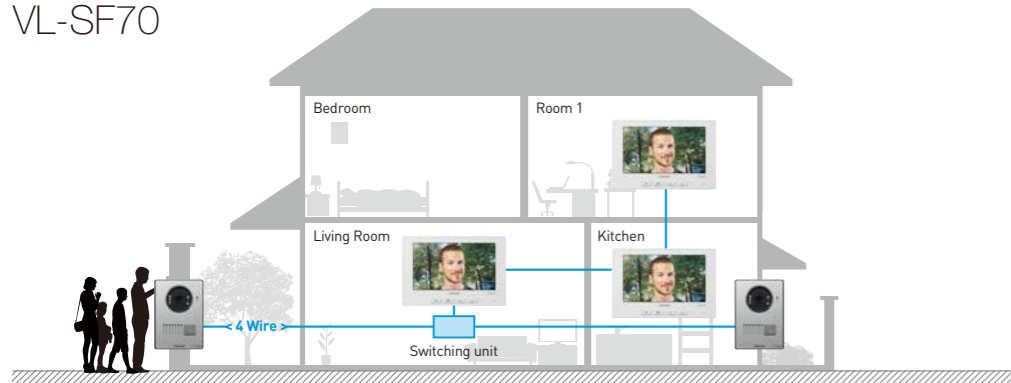
System Units	
Main Monitor Station VL-MWD501 	Wireless Monitor Station VL-WD613 Up to 6 
Door Station VL-V554 Up to 2 	DECT Repeater VL-FKD2 Up to 2 
Wireless Sensor Camera VL-WD812 Up to 4 	



Wireless Video Intercom System VL-SW251



System Units	
Main Monitor Station VL-MW251 	Wireless Monitor Station VL-W605 Up to 4 
Door Station VL-V522L Up to 2 	Repeater for Wireless Monitor VL-FAN1 Up to 2 
Panasonic Digital PBX 	Please consult your dealer when connecting with a PBX. This image shows the KX-TDE600.

Wired Video Intercom VL-SF70



System Units	
Main Monitor Station VL-MF70 Up to 3 	Door Station VL-VF580 Up to 2 



HOME SAFETY FOR YOUR FAMILY



Trademarks and registered trademarks

- The software of the sub monitor is based in part on the work of the Independent JPG Group.
All other trademarks identified herein are the property of their respective owners.

Important

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

- The actual product may vary slightly from the photograph.
- All pictures of the LCD display are simulated.
- Weights and dimensions are approximate.
- Design and specifications are subject to change without notice.
- These products may be subject to export control regulations.

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VIEW AND TALK FLEXIBLY

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

Stylish Premium Wireless Model VL-SWD501



Door Station x 1, Main Monitor x 1,
Wireless Sub Monitor x 1

* Main monitor is also sold individually.

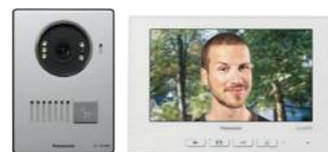
[Main monitor can be combined with other Door Stations
See the compatibility table on page 7.]

Standard Wireless Model VL-SW251



Door Station x 1, Main Monitor x 1,
Wireless Sub Monitor x 1

7-inch Wired Model VL-SF70



Door Station x 1,
Main Monitor x 1

Comparison Chart

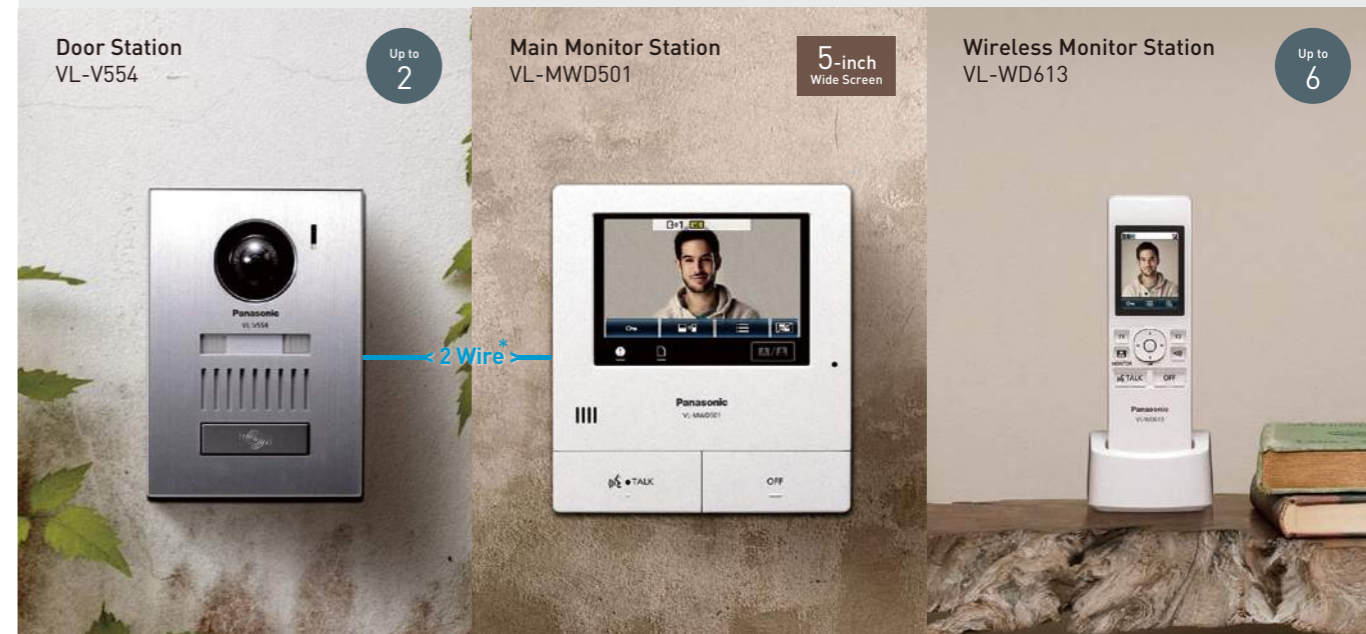
Model Number	VL-SWD501	Customisation Example*1 VL-MWD501/V522L/WD613	VL-SW251	VL-SF70
Maximum				
Main Monitor	1	1	1	3
Connectable Units				
Wireless Sub Monitor	6 (DECT)	6 (DECT)	4 (2.4 GHz)	—
Door Station (Doorphone)	2 (Die-Cast Aluminium)	2	2	2
Recording				
Movie/Picture Recording	●/●	●/●	—/●	—/●
SD Card Recording	●	●	—	—
Connectable Devices				
Sensor Camera	● (4)	● (4)	—	—
Electric Lock Release (Door Opener)	● (2)*2	—	● (2)*2	● (2)*2
Panasonic PBX	—	—	●	—
Repeater	● (2)	● (2)	● (2)	—
Others				
Night Vision (LED Light)	●	●	●	●
Touch Panel/Pan & Tilt	●	●	—	—
Wide Angle Camera	●	—	—	—
Intercom Call	● (Wireless)	● (Wireless)	● (Wireless)	● (Wired)
Voice Changer	●	●	●	—

*1 VL-MWD501: Main Monitor, VL-V522L: Door Station, VL-WD613: Wireless Sub Monitor. *2 When connecting 2, an optional Door Station is required.

Stylish Premium Wireless Model

Wireless Video Intercom System

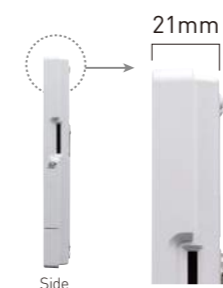
VL-SWD501



* Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.

Slim and Stylish Design

Only 21 mm deep, the main monitor has a slim design that blends in with virtually all room interiors. The stylish Door Station allows both mounted and mount-free use. Choose the type of use that matches your installation conditions and your home's design.



Touch Panel

The main monitor has a 5-inch wide screen that clearly shows each visitor's face. If it is difficult to see, simply touch the screen to activate an approximate 2x zoom horizontally and vertically. This makes it easy for everyone to see, and provides an easy-to-use operating screen.



Wireless Handset (DECT)

Wireless means you can answer the visitor anywhere in the house without worrying about cables. Furthermore, it complies with DECT and displays clear and smooth images.



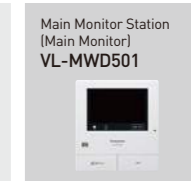
Other Features

- Electric Lock Release Support : AC12V-1A/DC12V-1A
- 170 degree Wide-Angle Camera
- 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



Related Product



Wireless Standard Model

Wireless Video Intercom System VL-SW251



* Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.

7-inch Wired Model

Wired Video Intercom VL-SF70



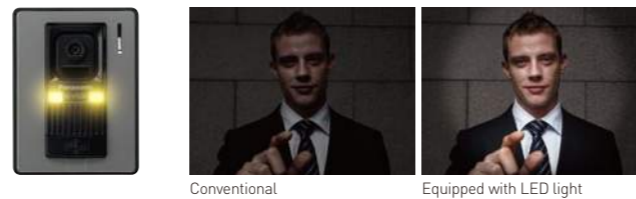
Wireless Handset (2.4 GHz)

Check visitors and respond promptly from everywhere in the home and even while you are doing something else, by wireless handset.



Night Vision (LED Light)

Door Station is equipped with an LED light (illumination lamp). It enables the colour display of visitors at a distance of about 50 cm at night.



Picture Recording (8 Consecutive recorded images each)

Eight consecutive still images of visitors are automatically recorded. (Up to 50 times, 400 images in total) This ensures that you will see every person visiting your home. Images can also be displayed frame-by-frame.



Other Features

- Electric Lock Release Support : AC30V-1A / DC24V-1A (Door Opener)
- Voice Changer
- Intercom Call (between main monitor and sub monitor)

7-inch Wide Monitor

This monitor features a 7-inch wide LCD. As the main monitor, it lets you clearly identify visitors.



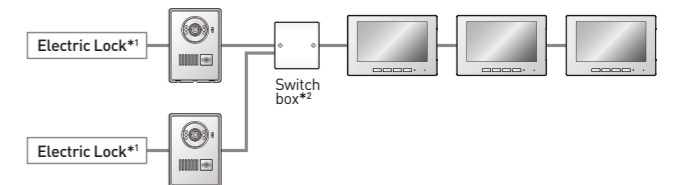
Picture Recording

Up to 50 images of visitors can be recorded while you are away from home. This useful function provides high security when you are not at home.



Three Monitors Connectable

A maximum of three main monitor units can be connected. By installing them in the living room and other rooms where you spend the most time, such as a bedroom or kitchen, you can answer the visitor immediately.



*1 Commercially available
*2 A switch box is bundled with an additional, optionally purchased door station.

Other Features

- Electric Lock Release Support : DC12V-1.5A (Door Opener)
- Intercom Call (between main monitors)

Options

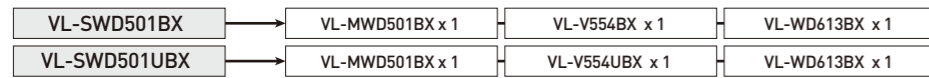
Door Station (Doorphone) VL-V522L Up to 2	Wireless Monitor Station (Sub Monitor) VL-W605 Up to 4	Lobby Station VL-V590 Up to 20 main monitors connectable	Repeater for Wireless Monitor VL-FAN1 Up to 2	Digital PBX This image shows the KX-TDE600. Connectable PBX Model Numbers KX-TDA30/100/100D/200/600 KX-TDE100/200/600 KX-NCP500/1000 KX-NS300/500/1000 Please consult your dealer when connecting with a PBX.
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Options

Door Station (Doorphone) VL-VF580 Up to 2 Included switch box	Monitor VL-MF70 Up to 3
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VL-SWD501

Model Composition



Model number and name	VL-MWD501BX		VL-V554BX (Surface mount) VL-V554UBX (Flush mount)		VL-WD613BX	
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)			
			Main body	Charger		
Dimensions (Unit: mm)						
Power source	Power supply unit (VL-PS241) 24 V DC, 0.5 A	Power supplied by the main monitor 20 V DC, 0.23 A	Rechargeable Ni-MH (AAA x 2)	AC adaptor (PNLV226BX/PNLV226E) Input: 220-240 V AC, 0.1 A, 50/60 Hz Output: 5.5 V DC, 0.5 A		
Power consumption	Standby: Approx. 1.4 W During operation: Approx. 10 W	—	—	Standby: Approx. 0.4 W (when the sub monitor is not placed in the charger) During charging: Approx. 1.4 W		
Dimensions (H x W x D) (Excluding protruding sections)	Approx. 180 x 165 x 21 mm	VL-V554BX: Approx. 169 x 118 x 30 mm VL-V554UBX: Approx. 169 x 118 x 16.5 mm (excluding sections embedded into the wall)	Approx. 173 x 52 x 30 mm	Approx. 43 x 81 x 76 mm		
Weight	Approx. 470 g	VL-V554BX: Approx. 405 g, VL-V554UBX: Approx. 345 g	Approx. 160 g (including the batteries)	Approx. 70 g (excluding the AC adaptor)		
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	—	Approx. 2.2 inch, colour display	—		
Frequency	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz	—		
Option output (A contact)	Rated load: 24 V AC/DC, 0.3 A or lower Minimum applicable load: 5 V DC, 0.001 A (Output when there is a call from the doorphone)	—	—	—		
Viewing angle	—	Horizontally: Approx. 170° Vertically: Approx. 115°	—	—		
Installation method	Wall mount (mounting bracket supplied)	VL-V554BX: surface mount (mounting base supplied) VL-V554UBX: flush mount (flush mounting box supplied)	—	—		
IP rating / IK rating	—	IP54*1 / Compliant with IK07	—	—		
External material	Flame retardant ABS and PS resin	Aluminium and flame retardant PC+PS resin	ABS resin	ABS resin		

Options

Model number and name	VL-WD812BX (For VL-SWD501)		VL-FKD2BX (For VL-SWD501)	
	Wireless Sensor Camera		DECT Repeater	
Dimensions (Unit: mm)				
Power source	Power supply unit (VL-PS241) 24 V DC, 0.4 A		AC adaptor (PQLV219BX/PQLV219E) Input: 220-240 V AC, 0.1 A, 50/60 Hz Output: 6.5 V DC, 0.5 A	
Power consumption	During standby: Approx. 1.5 W During operation: Approx. 4.5 W (when the LED lights are not lit), Approx. 8 W (when the LED lights are lit)		During standby: Approx. 1.5 W During operation: Approx. 2.3 W (when transmitting)	
Dimensions (H x W x D)	Approx. 160 x 118 x 290 mm (when the camera is front facing and including the wall mount bracket)		Approx. 82 x 111 x 39 mm	
Weight	Approx. 960 g		Approx. 88 g (excluding the AC adaptor)	
Operating environment	-20 °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	
Frequency	1.88 GHz to 1.90 GHz		1.88 GHz to 1.90 GHz	
Installation method	Wall mount (wall mount bracket supplied)		—	
Transmitting range	Approx. 100 m (line-of-sight distance from the main monitor)		Approx. 100 m (line-of-sight distance from the main monitor)	
Minimum illuminance required	1 lx*2		—	
Image sensor	0.3 M pixel CMOS		—	
Lighting method	2 white LED lights*3		—	
Angular field of view (camera angle)	Horizontal: Approx. 53° Vertical: Approx. 41°		—	
Sensor detection range	Heat sensor (when the surrounding temperature is approx. 20°) Horizontal: Approx. 63°, vertical: Approx. 20°, detection range: Approx. 5 m Motion detection sensor Horizontal: Approx. 53°, vertical: Approx. 41°		—	
Sensor detection method	Pyroelectric infrared sensor (heat sensor) and motion detection		—	
IP rating	IP54*1		—	
Adjustable mounting angles	Horizontal: ±90°, vertical: facing forward - facing down approx. 60° (adjustable when mounting)		—	
Heat sensor adjustable angles	Manually adjustable to 2 angles		—	
External material	PC+ABS resin		PS resin	

*1 Water resistance is only assured if the Door Station/the camera is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken.

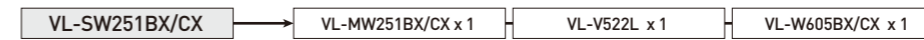
Do not install the camera in areas directly exposed to water or rain.

*2 The minimum illuminance required when the camera's [Brightness] setting is set to [+3].

*3 Approx. 8.5 lx when 3 m in front of the camera, and approx. 4 lx when 3 m away and 20° to the left or right of the camera.

VL-SW251

Model Composition



Model number and name	VL-MW251BX/CX		VL-V522L		VL-W605BX/CX	
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)			
			Main body	Charger		
Dimensions (Unit: mm)						
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: PQLV219BX (100-240 V AC, 50/60 Hz) VL-W605CX: PQLV219E (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 Approx. 105 x 76 x 48 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	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)	—		—	
IP rating / IK rating	—	T.B.D*1	—		—	
External material	T.B.D	Flame retardant ABS resin	T.B.D		T.B.D	

VL-SF70

Model Composition



Model number and name	VL-MF70BX/CX		VL-VF580BX	
	Main Monitor Station (Main monitor)		Door Station (Doorphone)	
Dimensions (Unit: mm)				
Power supply	AC adaptor		Supplied by the Main Monitor Station	
Power consumption	T.B.D		—	
Dimensions (H x W x D) (Excluding protruding sections)	Approx. 135 x 301 x 21 mm		Approx. 142.8 x 100.8 x 35 mm	
Weight	T.B.D		T.B.D	
Operating environment	0 °C to +40 °C, Up to 95 % RH (Relative Humidity) non condensing		-10 °C to +50 °C, Up to 95 % RH (Relative Humidity) non condensing	
Display	Approx. 7-inch, Colour LCD monitor		—	
Viewing angle	—		T.B.D	
Installation method	Wall mount (Wall mount bracket included)		Wall mount (Wall mount base included)	
IP rating / IK rating	—		T.B.D*1	
External material	T.B.D		T.B.D	

Options

Model number and name	VL-FAN1BX/CX (For VL-SW251)		VL-V590BX/CX		VL-V566BX	
	Optional Repeater for Wireless Monitor		Optional Lobby Station		Optional Door Station (Doorphone)	
Dimensions (Unit: mm)						
Power supply	AC adaptor (100 - 240 V AC, 50/60 Hz)		100 V - 240 V AC, 50/60 Hz		Supplied by the Main Monitor Station	
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)		Approx. 131 x 99 x 36.5 mm	
Weight	Approx. 85 g		Approx. 2.0 kg		Approx. 200 g	
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		-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°		Horizontally: Approx. 87° Vertically: Approx. 66°	
Installation method	—		Wall mount (Flush mounted box included)		Wall mount (Wall mount base included)	
External material	Flame retardant PS resin		Stainless steel and flame retardant ABS resin		Flame retardant ABS resin	

Compatibility of Main Monitor and Door Station

○ = Connectable ● = Connectable (same as included unit) — = Not connectable

Main Monitor (Set No.)	Door Station				Lobby Station	
	VL-V554BX/CX	VL-V522L BX	VL-V566BX	VL-VF580BX	VL-V590BX/CX	VL-V566BX
VL-MWD501 (VL-SWD501)	● (Set)	○	○	—	○	○
VL-MW251 (VL-SW251)	—	● (Set)	○	—	○	○
VL-MF70 (VL-SF70)	—	—	—	● (Set)	—	—

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