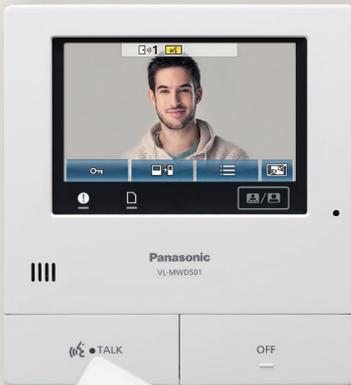


Now you can  
answer the door  
in your pyjamas



Panasonic offers a full range of Video Intercom Systems to suit your lifestyle

# VIEW AND TALK FLEXIBLY

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



## Stylish Premium DECT Wireless Series VL-SWD501



1 x Main Monitor: VL-MWD501  
1 x Door Station: VL-V554  
1 x Wireless Sub Monitor: VL-WD613

## Expandable DECT Wireless Series VL-SWD275



1 x Main Monitor: VL-MWD275  
1 x Door Station: VL-V524L  
1 x Wireless Sub Monitor: VL-WD619

## Expandable Series VL-SV75



1 x Main Monitor: VL-MV75  
1 x Door Station: VL-V524L

## Smartphone Connect Series VL-SVN511



1 x Main Monitor: VL-MVN511  
1 x Door Station: VL-V555

### Comparison Chart

Model Number	VL-SWD501	VL-SWD275	VL-SV75	VL-SVN511	
<b>Maximum Connectable Units</b>	Door Station (Doorphone)	2 (Die-Cast Aluminium)	2	2 (Die-Cast Aluminium)	
	Main Monitor / Extension Monitor	1 / -	1 / 3	1 / -	
	Wireless Sub Monitor	6 (DECT)*1	6 (DECT)*1	-	
	Smartphone, Tablet	-	-	-	● (4)*2
<b>Recording</b>	Video / Picture Recording	●/●	-/●	-/●	
	SD Card Recording	●	-	-	
<b>Connectable Devices</b>	Sensor Camera	● (4)	-	-	
	Electric Lock Release (Door Opener)	● (2)*3	●	●	● (2)
	Panasonic PBX	-	●	●	●
	Wireless Repeater	● (2)	● (2)	-	-
<b>Others</b>	Night Vision (LED Light)	●	●	●	●
	Touch Panel / Pan & Tilt	●/●	●	●	-/●
	Wide Angle Camera	●	-	-	●
		H: 170° V: 115°	H: 85° V: 54°	H: 85° V: 54°	H: 170° V: 130°
	Intercom Call	●	●	-	-
<b>Power Source</b>	24V DC Power Supply Unit	●	●	●	●

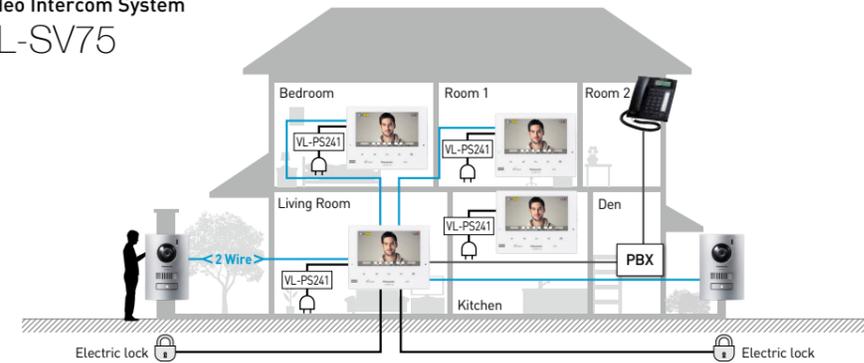
\*1 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.

\*2 The main monitor must be on the same home wireless network as the mobile device (with the dedicated app installed).

\*3 When using 2 electric locks, an additional door station is required. (For VL-SWD501 users, VL-V554 is required to use 2 electric locks)

## System Configuration Example

### Video Intercom System VL-SV75



**System Units**

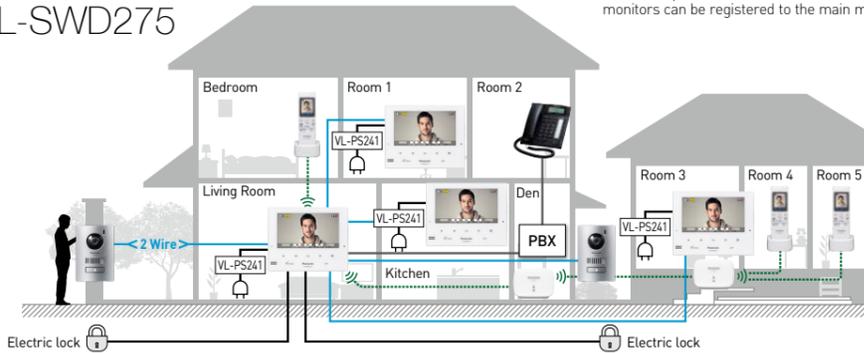
**Main/Extension Monitor VL-MV75**  
Up to 3  
(Not including the main monitor)

**Door Station VL-V524L**  
Up to 2

**Panasonic PBX**

This image shows the KX-NS500.  
Please consult your dealer when connecting with a PBX.

### Wireless Video Intercom System VL-SWD275



**System Units**

**Main/Extension Monitor VL-MWD275**  
Up to 3\*  
(Not including the main monitor)

**Wireless Monitor Station VL-WD619**  
Up to 6\*

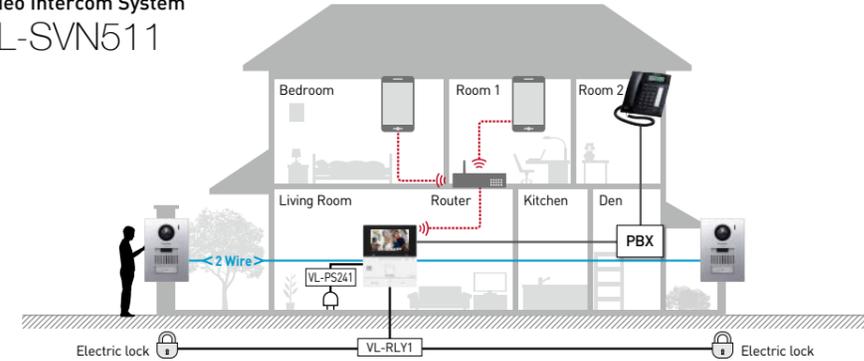
**Door Station VL-V524L**  
Up to 2

**DECT Repeater VL-FKD2**  
Up to 2

**Panasonic PBX**

This image shows the KX-NS500.  
Please consult your dealer when connecting with a PBX.

### Video Intercom System VL-SVN511



**System Units**

**Main Monitor Station VL-MVN511**

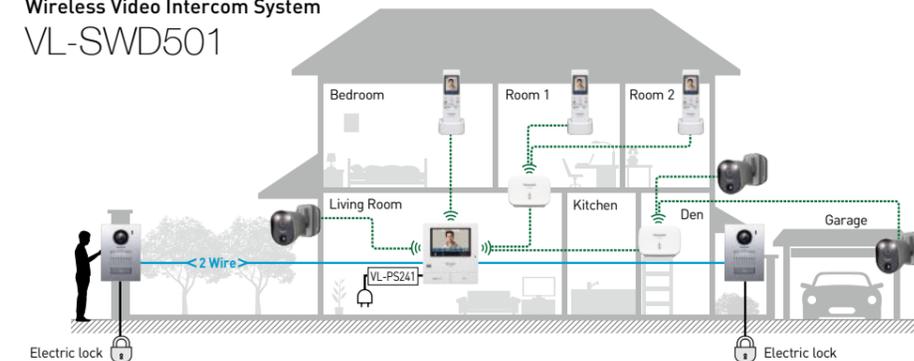
**Door Station VL-V555**  
Up to 2

**Mobile Devices**  
Up to 4

**Panasonic PBX**

This image shows the KX-NS500.  
Please consult your dealer when connecting with a PBX.

### 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

#### Trademarks and registered trademarks

- MIFARE is a registered trademark of NXP B.V. and is used under license.  
- iPhone and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.  
- Android is a trademark of Google Inc.  
- SD, SDHC and SDXC Logos are trademarks of SD-3C, LLC.  
- The software of the sub monitor is based in part on the work of the Independent JPEG 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.  
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

• 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.

## Expandable Series

Video Intercom System

# VL-SV75



Door Station  
VL-V524L

Up to  
2

< 2 Wire\* >



Main Monitor Station  
VL-MV75  
Available in white and silver.  
Power Supply VL-PS241 (supplied)

Up to  
3  
(not including the  
main monitor)

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

## Expandable DECT Wireless Series

Wireless Video Intercom System

# VL-SWD275



Door Station  
VL-V524L

Up to  
2

< 2 Wire\*1 >



Main Monitor Station  
VL-MWD275  
Available in white and silver.  
Power Supply VL-PS241 (supplied)

Up to  
3\*2  
(not including the  
main monitor)



Wireless Monitor Station  
VL-WD619  
Power Source - 24V DC  
Power Pack (supplied)

Up to  
6\*2

\*1 Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.  
\*2 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.

### Highly Expandable

Up to 3 additional 7-inch monitors can be connected to the main monitor. In addition, PBX connectivity is also supported.



Up to  
3

### 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.



### 7-inch Screen

The main monitor and extension monitor have a 7-inch wide screen that offers easy viewing of wide vertical and horizontal views. Now DC powered.



### Other Features

- Electric Lock Release Support : AC30 V-1 A / DC24 V-1 A
- Voice Changer
- Picture Recording (Up to 50 visitors (up to 4 still images per visitor))
- Intercom Call (between the main monitor and an extension monitor)
- Night Vision (LED lights), Illuminated "bell" indicator
- Easy-to-use function keys (E-lock release, volume adjustment)

### NEW Sophisticated Design

- Sleek main monitor with touch screen
- Doorphone has a gently curved, metallic-looking design to match home exteriors.
- Wall mounted door station
- 13mp camera captures clear HD visitor images

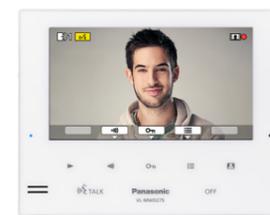
### Wireless Handset/Highly Expandable (DECT)

You can use the wireless monitor to check visitors and respond promptly from the living room, kitchen and elsewhere in the home even while you are doing something else. Up to 6 wireless monitors can be connected, and the max wireless range is 100 m with no obstacles. You can also add up to 2 DECT repeaters to expand the range.



### 7-inch Screen

The main monitor and extension monitor have a 7-inch wide screen that offers easy viewing of wide vertical and horizontal views. Now DC powered.



### Other Features

- Electric Lock Release Support : AC30 V-1 A / DC24 V-1 A
- One Touch Voice Changer
- Picture Recording
- (Up to 50 visitors (up to 4 still images per visitor))
- Intercom Call (between main monitor, sub monitor and extension monitor)
- Night Vision (LED lights), Illuminated "bell" indicator
- Easy-to-use function keys (E-lock release, Volume adjust)

### Options

<p>Door Station (Doorphone) VL-V524L (Surface mount)</p> <p>Up to 2</p>	<p>Door Station (Doorphone) VL-V554*3 (CMOS 1.0 M pixels) VL-V555*3 (CMOS 0.3 M pixels)</p> <p>Up to 2</p>	<p>Extension Monitor VL-MV75 S (Silver) VL-MV75 W (White)</p> <p>Up to 3</p>	<p>Up to 20 Rooms VL-V591</p> <p>Up to 32 Rooms VL-VM</p> <p>Up to 2,240 Rooms VL-V901</p>	<p><b>PBX</b> Connectable PBX Model Numbers KX-TDA30/100/100D/200/600 series KX-TDE100/200/600 series KX-NS300/500/700/1000 series</p> <p>Please consult your dealer when connecting with a PBX.</p> <p>This image shows the KX-NS500.</p>
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\*3 The image quality may vary depending on the door station being used.

### Options

<p>Extension Monitor VL-MWD275</p> <p>Up to 3</p>	<p>Door Station (Doorphone) VL-V524L (CMOS 1.3 M pixels)</p> <p>Up to 2</p>	<p>Flush Mount Box for VL-V524L VL-MB524</p>	<p>Door Station (Doorphone) VL-V554*3 (CMOS 1.0 M pixels) VL-V555*3 (CMOS 0.3 M pixels)</p> <p>Up to 2</p>	<p>Flush Mount Box for VL-V554/V555 VL-MB554</p> <p>[VL-MB554 included with VL-V554U]</p>	<p>Door Station (Doorphone) VL-V522L (Surface mount) (CMOS 0.3 M pixels)</p> <p>Up to 2</p>	<p>Wireless Monitor Station (Sub Monitor) VL-WD619</p> <p>Up to 6</p>	<p>DECT Repeater VL-FKD2</p> <p>Up to 2</p>	<p>Lobby Station Up to 20 Rooms VL-V591 Up to 32 Rooms VL-VM series Up to 2,240 Rooms VL-V901</p>	<p><b>PBX</b> Connectable PBX Model Numbers KX-TDA30/100/100D/200/600 series KX-TDE100/200/600 series KX-NS300/500/700/1000 series</p> <p>Please consult your dealer when connecting with a PBX.</p> <p>This image shows the KX-NS500.</p>
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\*3 The image quality may vary depending on the door station being used.

## Smartphone Connect Series

Video Intercom System

# VL-SVN511



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

### Smartphone Connect\*1

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.



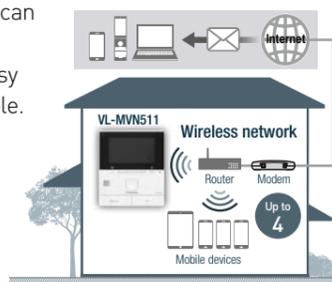
Answer Visitors and Unlock the Electric Locks



Monitoring

### Wireless Network Connection

In addition to smartphones/tablets, the main monitor can also wirelessly connect to the wireless router for easy connections without a cable.



### E-mail Notification\*2

The main monitor can send e-mail with a time stamp and image of visitors to e-mail addresses registered in advance, enabling you to check who has visited when you are outside the house (even when you are overseas).



#### Other Features

- Free Application\*  
Compatible mobile devices (As of October, 2019)  
- iPhone and iPad (iOS 9.0 and later)  
- Android™ devices (Android 4.0 and later)
- Electric Lock Release Support: VL-RLY1 (12 V AC/DC, less than 1 A)
- Picture Recording (Up to 50 visitors (up to 8 still images per visitor))
- Night Vision (white coloured LED lights)
- Voice Changer

\* 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/>

#### Options

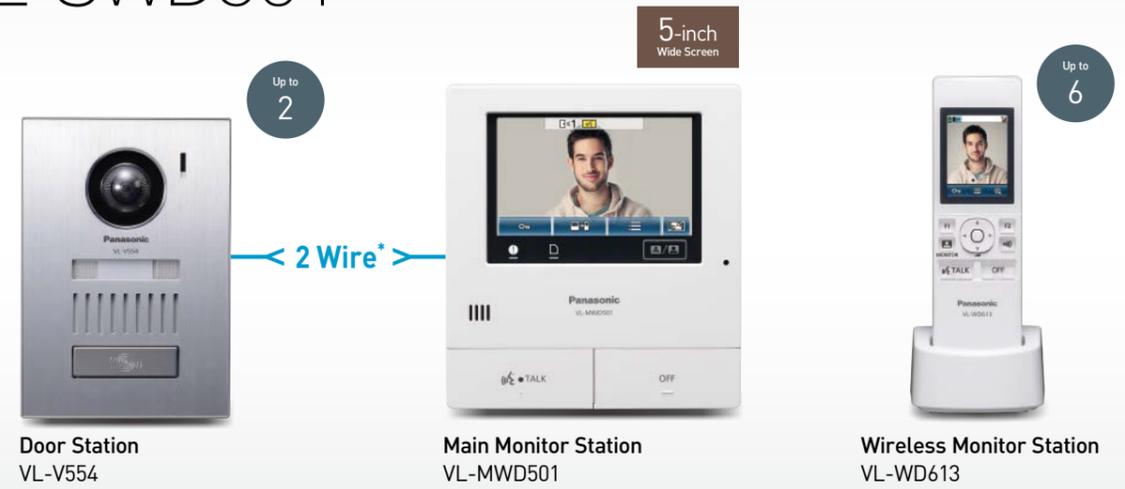
<b>Door Station (Doorphone)</b> <b>VL-V555 (Surface mount)</b> CMOS 0.3 M pixels Up to 2	<b>Door Station (Doorphone)</b> <b>VL-V554 (Surface mount)</b> CMOS 1.0 M pixels Up to 2	<b>Door Station (Doorphone)</b> <b>VL-V522L (Surface mount)</b> Up to 2	<b>Lobby Station</b> <b>VL-V591</b> Up to 20 main monitors can be connected.	<b>PBX</b> This image shows the KX-NS500.	<b>Connectable PBX Model Numbers</b> KX-TDA30/100/100D/200/600 series KX-TDE100/200/600 series KX-NS300/500/700/1000 series Please consult your dealer when connecting with a PBX.
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\*1 The main monitor must be on the same home wireless network as a smartphone/tablet (with the dedicated app installed). It is also necessary to run the dedicated app in order to receive visitor's calls on a smartphone/tablet.  
\*2 To use this function, a main monitor with e-mail sender information registered must be connected to the internet. E-mail may not be able to be sent, depending on the condition of the network.

## Stylish Premium DECT Wireless Series

Wireless Video Intercom System

# VL-SWD501



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

### DECT Wireless

The wireless design means that there is no troublesome wiring required when adding on to the system as well. You can add on up to 6 sub monitors and 4 DECT Wireless Sensor Cameras for large homes, and easily confirm visitors from a monitor in each room.



### SD Card Recording

You can automatically record video images of visitors while you're away from home. It will record up to 3,000 visitors (30 seconds per visitor). And you can save and play the images on a PC that has an SD card slot.



### 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.



#### Other Features

- Electric Lock Release Support : AC12 V-1 A / DC12 V-1 A
- Wide-Angle Camera (Horizontally:170°, Vertically:115°)
- Wireless Sensor Cameras Connectable
- Night Vision (warm white coloured LED lights)
- Voice Changer
- Intercom Call (between main monitor and sub monitor)

#### Options

<b>Door Station (Doorphone)</b> <b>VL-V554 (Surface mount)</b> <b>VL-V554U (Flush mount)</b> CMOS 1.0 M pixels Up to 2	<b>Flush Mounting Box</b> <b>VL-MB554</b>	<b>Door Station (Doorphone)</b> <b>VL-V522L**3 (Surface mount)</b> Up to 2	<b>Wireless Monitor Station (Sub Monitor)</b> <b>VL-WD613</b> Up to 6	<b>Wireless Sensor Camera</b> <b>VL-WD812</b> Up to 4	<b>DECT Repeater</b> <b>VL-FKD2</b> Up to 2	<b>Lobby Station</b> <b>VL-V591</b> Up to 20 main monitors can be connected.
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\*2 The image quality may vary depending on the door station being used.

## Multi Door System



Multi Door System  
VL-V591



## Lobby Station for Small Apartment, Office or Commercial Building

### 10 Keys and LED Indicator

Highly practical, basic Lobby Station for small apartment buildings. When you enter the room number from the 10 keys, the room number you have selected appears on the 7-segment LED indicator for you to easily confirm.



### Diverse Monitor Line-up

You can choose a monitor that best fits your budget and purpose from our diverse line-up.



VL-MWD275

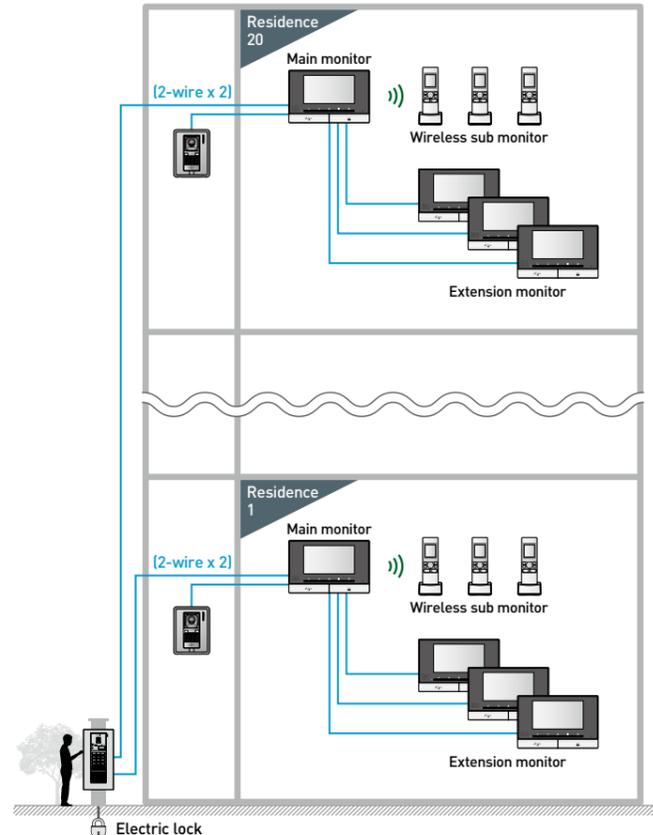


VL-MVN511



VL-MV75

### System Configuration Example



- Up to 20 main monitors connectable
- Electric Lock Release Support
- Door Unlocking via PIN Code
- Adjustable Camera Angle

## IP Single Home Series Video Intercom System

### VL-SN1000



Door Station  
VL-VN1500



Main Monitor Station  
VL-MN1000

7-inch  
Wide Screen

Up to  
5

### Key Features

#### • High expandability

Up to 20 Door Stations, 32 IP cameras and 5 Room Monitors can be connected.

#### • PoE support

The Door Station and Room Monitor support PoE (IEEE 802.3af compliant, class 2 device). A power supply unit is also available (VL-PS240 is sold separately).

#### • Card reader

The Door Station has an RFID reader that can be used to unlock the electric lock. Up to 10,000 cards can be recorded.

#### • Electric lock release support\*

The electric lock can be easily and quickly released from the Room Monitors and the card reader on the Door Stations.

\*Optional relay box (VL-RLY1) is required.

#### • Picture recording / FTP uploading\*\*

\*\* Consult Panasonic for FTP server setting.

Up to 100 images can be recorded to the Room Monitor. Images can also be automatically uploaded to an FTP server when a visitor calls from a Door Station.

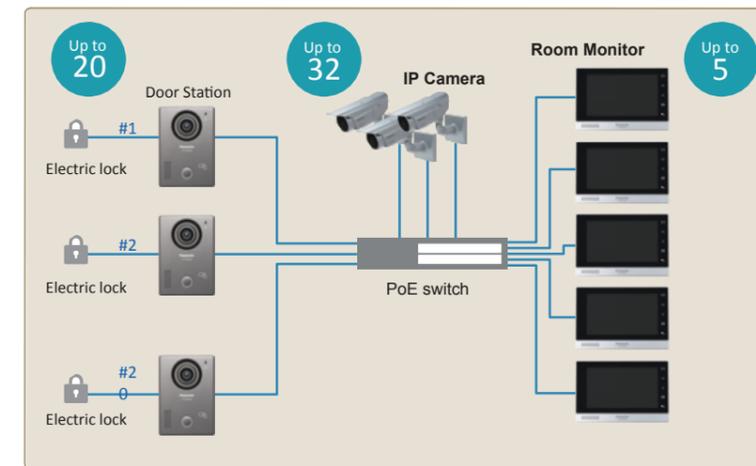
#### • 7-inch touch screen

The Room Monitor has a 7-inch wide LCD that clearly shows each visitor's face, and the touch screen provides an easy-to-use operation screen.

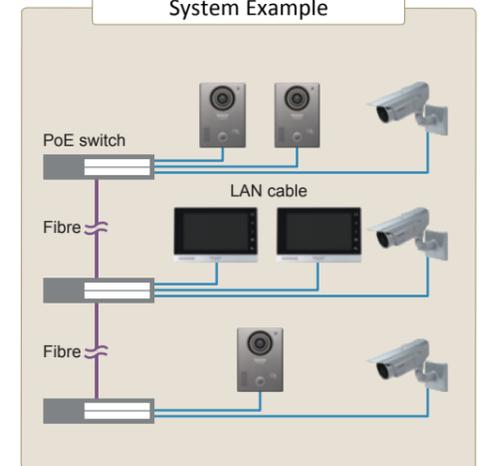
#### • High-resolution camera, Night Vision with LED lights :

The Door Station has a 1.3Mpixel camera that provides a clear image with a wide view of 113° (horizontal), 69° (vertical). You can check visitors even when it's dark outside.

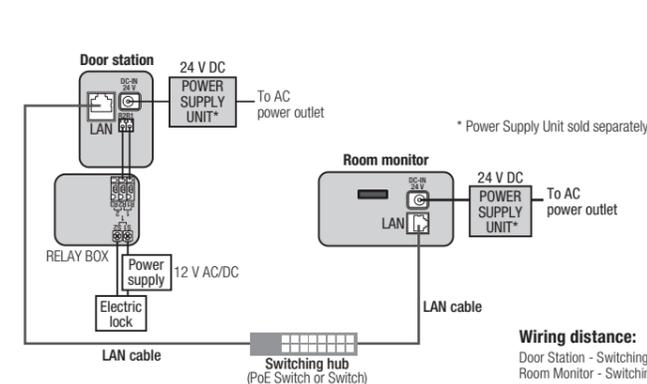
### Maximum System Configuration



### System Example



### Wiring Schematic Diagram



### IP Camera Integration

#### Operation Specification

- Codec Format: H.264 (Fixed)
- Image Resolution: 720p (1280x720 pixels) or less
- Frame Rate: 20 fps or less

#### Recommended Models

- E-series
- iPRO

#### Wiring distance:

Door Station - Switching hub: Up to 100 m (UTP Cat5e or higher)  
Room Monitor - Switching hub: Up to 100 m (UTP Cat5e or higher)

**Product Lineup**

Expandable Series  
**VL-SV75**



1 x Main Monitor: VL-MV75  
1 x Door Station: VL-V524L

Expandable DECT Wireless Series  
**VL-SWD275**



1 x Main Monitor: VL-MWD275  
1 x Door Station: VL-V524L  
1 x Wireless Sub Monitor: VL-WD619

Smartphone Connect Series  
**VL-SVN511**



1 x Main Monitor: VL-MVN511  
1 x Door Station: VL-V555

Stylish Premium DECT Wireless Series  
**VL-SWD501**



1 x Main Monitor: VL-MWD501  
1 x Door Station: VL-V554  
1 x Wireless Sub Monitor: VL-WD613

**Compatibility of Main Monitor, Wireless Monitor and Door Station**

Please contact your nearest Panasonic dealer for sales information.

Main Monitor (Package No.)	Power source	Display size	Extension Monitor	Wireless Sensor Camera	Wireless Sub Monitor			Door Station					Lobby Station			
				VL-WD812 (DECT)	(DECT)			VL-554/ VL-V554U 1.0 M pixels	VL-V555 0.3 M pixels	[*1] VL-V522L 0.3 M pixels	[*1] VL-V524 1.3 M pixels	[*1,*2] VL-V566 0.3 M pixels	IP VN1500 1.3 M pixels	[*1,*2,*3] VL-V591 0.3 M pixels	Analogue	IP
					VL-WD613 2.2-inch	VL-WD619 2.2-inch	VL-FKD2 Repeater								VL-V900 1.0 M pixels	VL-VN1900 2.0 M pixels
VL-MV75 (VL-SV75)	VL-PS241	7-inch WVGA colour	○ up to 3 VL-MV75	×		×	○	○	○	●	×	×	○	○	×	
VL-MWD275 (VL-SWD272)	VL-PS241	7-inch WVGA colour	○ up to 3 [*4] VL-MWD275	×		● up to 6 [*4]	○ up to 2	○	○	○	●	×	×	○	○	×
VL-MVN511 (VL-SVN511)	VL-PS241	5-inch WQVGA colour	×	×	smartphone connect model			○	●	○	×	○	×	○	○	×
VL-MWD501 (VL-SWD501)	VL-PS241	5-inch WVGA colour /Touch Panel	×	○ up to 4		● up to 6	○ up to 2	●	○[*5*7]	○[*5*7]	×	○[*5*7]	×	○[*5]	×	×
VL-MV26	VL-PS240	3.5-inch QVGA colour	×	×		×	×	×	×	×	×	×	×	○	×	
VL-MV26A	Power supply unit sold separately	3.5-inch QVGA colour	×	×		×	×	×	×	×	×	×	×	○	×	
VL-MN1000	PoE or VL-PS240[*6]	7-inch WVGA colour /Touch Screen	○ Total up to 5 VL-MN1000	×		×	×	×	×	×	×	○ Total up to 20	×	×	○	

\*1 Wide/zoom settings and zoom position settings are not available.  
 \*2 Doorphone LED light illumination settings and backlight compensation settings are not available.  
 \*3 Outside monitoring using the doorphone is not available.  
 \*4 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.  
 \*5 The image quality may vary depending on the door station being used.  
 \*6 Power Supply Unit (VL-PS240) is sold separately.  
 \*7 Electric lock release is not available.

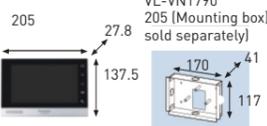
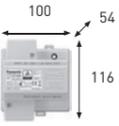
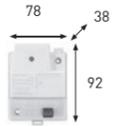
**Comparison Chart**

Model Number		VL-SWD501	VL-SWD275	VL-SV75	VL-SVN511
Maximum Connectable Units	Door Station (Doorphone)	2 (Die-Cast Aluminium)	2	2	2 (Die-Cast Aluminium)
	Main Monitor / Extension Monitor	1 / —	1 / 3	1 / 3	1 / —
	Wireless Sub Monitor	6 (DECT)*1	6 (DECT)*1	—	—
	Smartphone, Tablet	—	—	—	● (4)*2
Recording	Video / Picture Recording	●/●	—/●	—/●	—/●
	SD Card Recording	●	—	—	—
Connectable Devices	Sensor Camera	● (4)	—	—	—
	Electric Lock Release (Door Opener)	● (2)*3	●	●	● (2)
	Panasonic PBX	—	●	●	●
Others	Wireless Repeater	● (2)	● (2)	—	—
	Night Vision (LED Light)	●	●	●	●
Others	Touch Panel / Pan & Tilt	●/●	●	●	—/●
	Wide Angle Camera	● H: 170° V: 115°	— H: 85° V: 54°	— H: 85° V: 54°	● H: 170° V: 130°
Others	Intercom Call	●	●	—	—
	Voice Changer	●	●	●	●
Power Source	24V DC Power Supply Unit	●	●	●	●

\*1 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.  
 \*2 The main monitor must be on the same home wireless network as the mobile device (with the dedicated app installed).  
 \*3 When using 2 electric locks, an additional door station is required. (For VL-SWD501 users, VL-V554 is required to use 2 electric locks)

○= Connectable ●= Connectable (same as packaged combination) x = Not connectable

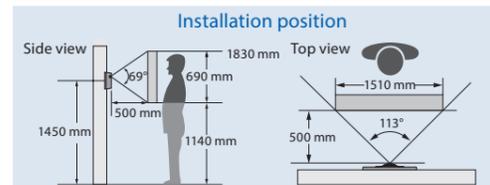
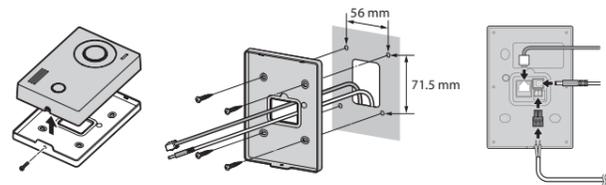
## Specifications

Model number	VL-VN1500 (Door Station)	VL-MN1000 (Room Monitor)	VL-PS240 (Power Supply Unit)	VL-RLY1 (Relay Box)
Dimensions (Unit:mm)				
Power source	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VLPS240*1) 24 V DC, 0.6 A	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VLPS240*1) 24 V DC, 0.6 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Supplied by the main monitor
Power consumption	PoE: Standby: 2.5 W, Operating: 5.1 W VL-PS240: Standby: 2.6 W, Operating: 6.3 W	PoE: Standby: 1.9 W, Operating: 6.3 W VL-PS240: Standby: 2.1 W, Operating: 6.2 W		
Dimensions (H x W x D) (Excluding protruding sections)	141 x 100 x 28.5 mm	137.5 x 205 x 27.8 mm	116 x 100 x 54 mm	92 x 78 x 38 mm
Weight	250 g	550 g	230 g	130 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C Relative humidity (noncondensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (noncondensing): up to 90 %	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (noncondensing): up to 90% (indoor use only)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (noncondensing): up to 90 %
Display	-	7-inch wide colour display with touch screen (800x480 pixels)	-	-
Display language	-	English, Arabic, French, Italian, German, Spanish and Dutch	-	-
Talking method	Hands-free	Hands-free	-	-
Network interface	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	-	-
Network protocol	TCP/IP, UDP	TCP/IP, UDP	-	-
Wiring	UTP (cat.5e or higher)	UTP (cat.5e or higher)	-	-
Card reader (RFID)	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	-	-	-
Expanded interface	E-lock x 1*Relay box VL-RLY1 is required (sold separately)	Sensor input x 5 (including emergency / urgency button)	-	-
Viewing angle	Horizontally: Approx. 113°, Vertically: Approx. 69°	-	-	-
Image sensor	1.3 M pixel CMOS sensor	-	-	-
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	-	-	-
Lighting method	White coloured LED lights	-	-	-
Video / Audio format	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711	-	-
Recording	-	Internal memory (video with audio can be saved)	-	-
IP rating / IK rating	IP54*2 / -	-	-	-
Installation method	Surface mount (mounting base supplied)	Surface mount (mounting bracket supplied) or Flush mount (mounting box VL-VN1790 sold separately)	Wall mount or attach to DIN rail	Wall mount or attach to DIN rail
External material	PC+ ABS resin	PC+ ABS resin	Flame retardant PC+ ABS resin	Flame retardant ABS resin

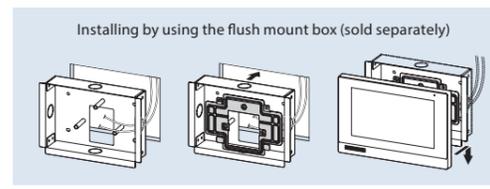
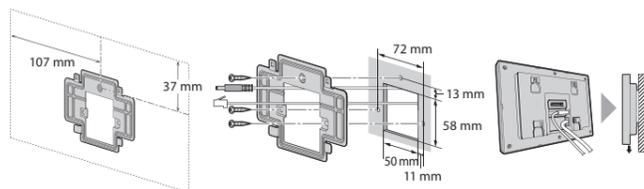
\*2 Water resistance is only assured if the Door Station is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken.

\*1 VL-PS240 is sold separately.

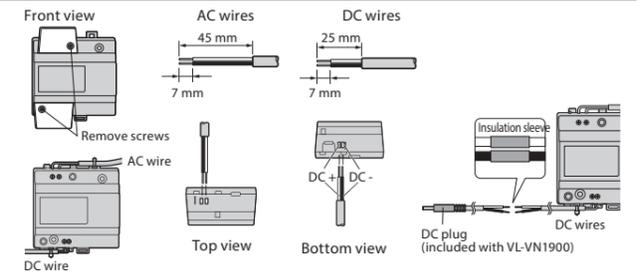
### Installing the Door Station



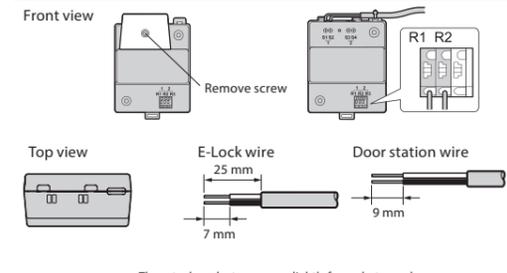
### Installing the Room Monitor



### Installing the Power Supply Unit

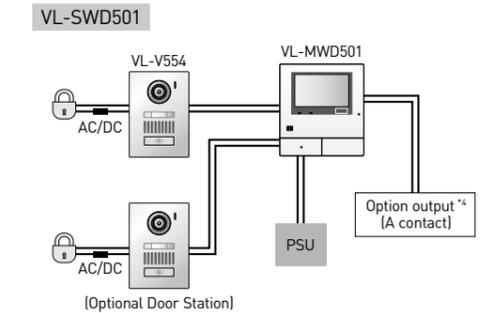
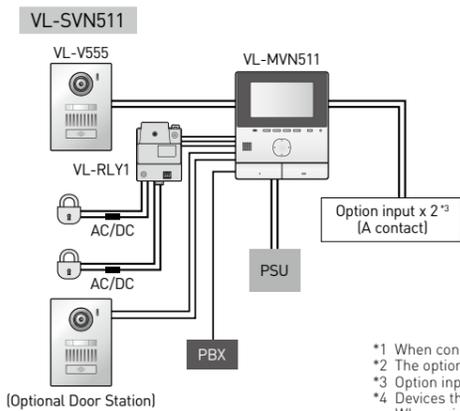
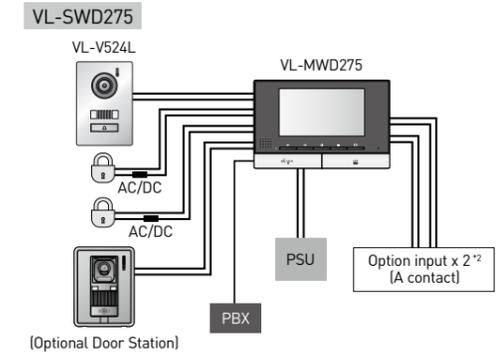
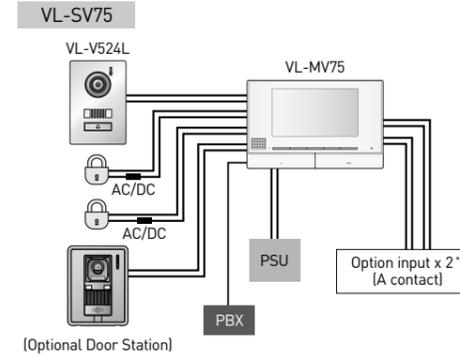


### Installing the relay Box



- 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.

## Comparison of the wiring



- \*1 When connecting 2 E-Lock, an optional Door Station is required.
- \*2 The optional input can be used for either a door station or a doorbell, not both.
- \*3 Option inputs can be used to connect 2 sensors.
- \*4 Devices that can be connected to the option output: doorbell light, door chime, rotating light, etc. When using a Lobby Station [VL-V591], the option output is used for electric lock. When using a Lobby Station [VL-V900 series], the option output cannot be used.

PSU : Power Supply Unit (included with a monitor)

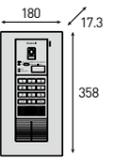
## VL-SV75

### Model Composition



Model number and name	VL-MV75-S (Silver), VL-MV75-W (White) Main Monitor Station (Main monitor) Extension Monitor	VL-V524L Door Station (Doorphone)
Dimensions (Unit: mm)	Up to 3" (201 mm) 25.2" (26.5") 158 mm 100 mm 54 mm 104 mm *for mirror design	Up to 2" (102 mm) 35.5" (21.5") 152 mm 90 mm 37.2 mm 138 mm VL-MB524 (sold separately)
Power source	Power supply unit (VL-PS241) 24 V DC, 0.5 A	Power supplied by the main monitor
Power consumption	Standby: 1.9 W* Operating: 12.7 W* *Measurement conditions: VL-V524L (1 pc.) is connected to the Main Monitor	-
Weight	White/Silver: 605 g Power supply unit (VL-PS241): 215 g	225 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 %
Display	7-inch wide colour / WVGA (800 x 480 pixels)	-
Display language	English, Arabic, Vietnamese	-
Talking method	Hands-free	-
Viewing angle	-	Horizontally: Approx. 85° Vertically: Approx. 54°
Image sensor / camera (pixel)	-	1/3 inch CMOS sensor / Approx. 1.3 M pixels
Minimum illuminance required	-	1 lx (within approx. 50 cm from the camera lens)
Lighting method	-	LED lights
IP rating / IK rating	-	IP44*3
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied) Flush mount (mount box sold separately)
External material	Flame retardant ABS resin	Flame retardant resin

## VL-V591

Model number and name	VL-V591 Lobby Station
Dimensions (Unit: mm)	 Up to 20 main monitors can be connected.
Power source	Power supply unit (VL-PS241) 24 V DC, 0.6 A
Power consumption	Standby: Approx. 0.02 A Operating: Approx. 0.03 A
Dimensions (H x W x D) (Excluding protruding sections)	Approx. 358 x 180 x 17.3 mm
Weight	Approx. 2.0 kg
Operating environment	Ambient temperature: Approx. -10 °C to +50 °C Relative humidity (non-condensing): up to 90 %
Talking method	Hands-free
Viewing angle	Horizontally: Approx. 87° Vertically: Approx. 66°
Image sensor / camera (pixel)	CMOS sensor (Approx. 0.3 M pixels)
Installation method	Flush mount (Flush mounted box included)
External material	Stainless steel and flame retardant ABS resin

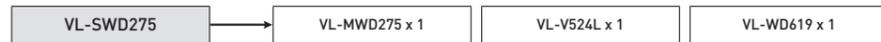
\*1 Not including the main monitor.

\*2 Excluding sections embedded into the wall.

\*3 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.

## VL-SWD275

### Model Composition



Model number and name	VL-MWD275		VL-V524L		VL-WD619	
	Main Monitor Station (Main monitor) Extension Monitor		Door Station (Doorphone)		Wireless Monitor Station (Sub monitor)	
Dimensions (Unit: mm)						
Power source	Power supply unit [VL-PS241] 24 V DC, 0.6 A		Supplied by the main monitor		Main body: Rechargeable battery AAA (R03) Ni-MH battery (1.2 V, 550 mAh) x 2 Charger: AC adaptor (5.5 V DC, 0.5 A)	
Power consumption	Standby: Approx. 2.2 W* Operating: Approx. 14.0 W* *Measurement conditions: VL-V524L (1 pc.) and VL-WD619 (1 pc.) are connected to VL-MWD275.		-		Standby: Approx. 0.6 W* Charging: Approx. 1.6 W *When the sub monitor with full-charged batteries is placed on the charger.	
Weight	Main monitor: 605 g Power supply unit [VL-PS241]: 215 g		225 g		Main body: 160 g (including the batteries) Charger: 70 g (excluding the AC adaptor)	
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %		Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 %		Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	
Display	7-inch wide colour / WVGA (800x480 pixels)		-		2.2-inch colour / QVGA (320x240 pixels)	
Display language	English, Arabic		-		Depends on main monitor	
Talking method	Hands-free		Hands-free		Hands-free	
Frequency range	1.88 GHz to 1.90 GHz		-		1.88 GHz to 1.90 GHz	
RF Transmission Power	Approx. 10mW (average power per channel) 250mW (max)		-		Approx. 10mW (average power per channel) 250mW (max)	
Transmitting range	Approx. 100 m (line-of-sight distance between the main and wireless monitor)		-		Approx. 100 m (line-of-sight distance between the main and wireless monitor)	
Operating time	-		-		Standard use: Approx 80 hours <sup>4</sup>	
Charging time	-		-		Approx 8 hours <sup>4, 5</sup>	
Viewing angle	-		Horizontally: Approx. 85° Vertically: Approx. 54°		-	
Image sensor / camera (pixel)	-		CMOS sensor (Approx. 1.3 M pixels)		-	
Minimum illuminance required	-		1 lx (within approx. 50 cm from the camera lens)		-	
Lighting method	-		LED lights		-	
IP rating / IK rating	-		IP44 <sup>6</sup>		-	
Installation method	Wall mount (mounting bracket supplied)		Surface mount (mounting base supplied) Flush mount (mount box sold separately)		-	
External material	Flame retardant ABS resin		Flame retardant resin		ABS resin	

\* 1 Not including the main monitor.

\* 2 When sub monitors and extension monitors are used together, a total of up to 6 sub monitors and extension monitors can be registered.

\* 3 Excluding sections embedded into the wall.

\* 4 When used fully charged in an operating temperature of 20°C.

\* 5 When the operating temperature is 20°C. The charging time may increase when the operating temperature is lower than this.

\* 6 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.

## VL-SVN511

### Model Composition

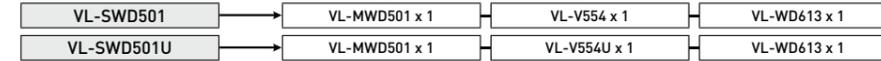


Model number and name	VL-MVN511		VL-V555		VL-PS241		VL-RLY1	
	Main Monitor Station (Main monitor)		Door Station (Doorphone)		Power Supply Unit		Relay Box	
Dimensions (Unit: mm)								
Power source	Power supply unit [VL-PS241] 24 V DC, 0.5 A		Supplied by the main monitor		Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A		Supplied by the main monitor	
Power consumption	Standby: Approx. 1.8 W Operating: Approx. 10 W		-		-		-	
Dimensions (H x W x D) (Excluding protruding sections)	186 x 161 x 23.5 mm		169 x 118 x 30 mm		104 x 100 x 54 mm		92 x 78 x 38 mm	
Weight	485 g		395 g		215 g		130 g	
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %		Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)		Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)		Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	
Display	5-inch wide colour / WQVGA (480x272 pixels)		-		-		-	
Display language	English, Arabic		-		-		-	
Talking method	Hands-free		Hands-free		-		-	
Wireless transmission method	IEEE 802.11 b/g/n 2.4 GHz		-		-		-	
Viewing angle	-		Horizontally: Approx. 170° Vertically: Approx. 130°		-		-	
Image sensor / camera (pixel)	-		CMOS sensor (Approx. 0.3 M pixels)		-		-	
Minimum illuminance required	-		1 lx (within approx. 50 cm from the camera lens)		-		-	
Lighting method	-		White coloured LED lights		-		-	
IP rating / IK rating	-		IP54 <sup>1</sup> / Compliant with IK07		-		-	
Installation method	Wall mount (mounting bracket supplied)		Surface mount (mounting base supplied) or Flush mount (flush mounting box sold separately)		Wall mount or attach to DIN rail		Wall mount or attach to DIN rail	
External material	Flame retardant ABS and PS resin		Aluminium and flame retardant PC+PS resin		Flame retardant PC+ABS resin		Flame retardant ABS resin	

\* 1 Water resistance is only assured if the doorphone is installed correctly according to the instructions in the Operating Instructions, and appropriate water protection measures are taken.

## VL-SWD501

### Model Composition



Model number and name	VL-MWD501		VL-V554 (Surface mount) VL-V554U (Flush mount)		VL-WD613	
	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 [VL-PS241 supplied]		Supplied by the main monitor 20 V DC, 0.23 A		Rechargeable Ni-MH (AAA x 2) AC adaptor Output: 5.5 V DC, 0.5 A	
Power consumption	Standby: Approx. 1.4 W Operating: Approx. 10 W		-		-	
Dimensions (H x W x D) (Excluding protruding sections)	180 x 165 x 21 mm		VL-V554: 169 x 118 x 30 mm VL-V554U: 169 x 118 x 16.5 mm (excluding sections embedded into the wall)		173 x 52 x 30 mm	
Weight	470 g		VL-V554: 405 g VL-V554U: 345 g		160 g (including the batteries) 70 g (excluding the AC adaptor)	
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %		Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)		Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	
Display	5-inch wide colour / WVGA (800x480 pixels)		-		2.2-inch colour / QVGA (320x240 pixels)	
Display language	English		-		Depends on main monitor	
Talking method	Hands-free		Hands-free		Hands-free	
Frequency range	1.88 GHz to 1.90 GHz		-		1.88 GHz to 1.90 GHz	
RF Transmission Power	Approx. 10mW (average power per channel) 250mW (max)		-		Approx. 10mW (average power per channel) 250mW (max)	
Transmitting range	Approx. 100m (line-of-sight distance between main and wireless monitor)		-		Approx. 100m (line-of-sight distance between main and wireless monitor)	
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°		-	
Image sensor / camera (pixel)	-		CMOS sensor (Approx. 1.0 M pixels)		-	
Minimum illuminance required	-		1 lx (within approx. 50 cm from the camera lens)		-	
Lighting method	-		Warm white coloured LED lights		-	
IP rating / IK rating	-		IP54 <sup>1</sup> / Compliant with IK07		-	
Installation method	Wall mount (mounting bracket supplied)		VL-V554: surface mount (mounting base supplied) VL-V554U: flush mount (flush mounting box supplied)		-	
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-WD812 (For VL-SWD501)		VL-FKD2 (For VL-MWD501 / VL-MWD272)	
	Wireless Sensor Camera		Power Supply Unit [VL-PS241]	
Dimensions (Unit: mm)				
Power source	Power supply unit [VL-PS241] 24 V DC, 0.4 A		Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	
Power consumption	During standby: Approx. 1.5 W Operating: Approx. 4.5 W (when the LED lights are not lit), Approx. 8 W (when the LED lights are lit)		-	
Dimensions (H x W x D)	160 x 118 x 290 mm (when the camera is front facing and including the wall mount bracket)		104 x 100 x 54 mm	
Weight	960 g		215 g	
Operating environment	Ambient temperature: Approx. -20 °C to +50 °C Relative humidity (non-condensing): up to 90 %		Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)	
Frequency range	1.88 GHz to 1.90 GHz		-	
Transmitting range	Approx. 100 m (line-of-sight distance from the main monitor)		-	
Angular field of view (camera angle)	Horizontal: Approx. 53° Vertical: Approx. 41°		-	
Image sensor	0.3 M pixels CMOS		-	
Minimum illuminance required	1 lx <sup>2</sup>		-	
Lighting method	2 white coloured LED lights <sup>3</sup>		-	
Sensor detection range	Heat sensor (when the surrounding temperature is approx. 20 °C) 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		-	
Adjustable mounting angles	Horizontal: ±90°, vertical: facing forward - facing down approx. 60° (adjustable when mounting)		-	
Heat sensor adjustable angles	Manually adjustable to 2 angles		-	
IP rating	IP54 <sup>1</sup>		-	
Installation method	Wall mount (wall mount bracket supplied)		Wall mount or attach to DIN rail	
External material	PC+ABS resin		Flame retardant PC+ABS resin PS resin	

\* 1 Water resistance is only assured if the doorphone/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.

# Panasonic

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