



Flexible configurations
that work for you,
whatever
your needs

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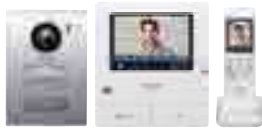
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VIEW AND TALK FLEXIBLY

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



Stylish Premium 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-SWD272



1 x Main Monitor: VL-MWD272
1 x Door Station: VL-V522L
1 x Wireless Sub Monitor: VL-WD613

2.4 GHz Wireless Series VL-SW251



1 x Main Monitor: VL-MW251
1 x Door Station: VL-V522L
1 x Wireless Sub Monitor: VL-W605

Smartphone Connect Series VL-SVN511



1 x Main Monitor: VL-MVN511
1 x Door Station: VL-V522L

4-wire Series VL-SF70



1 x Main Monitor: VL-MF70
1 x Door Station: VL-VF580

Comparison Chart

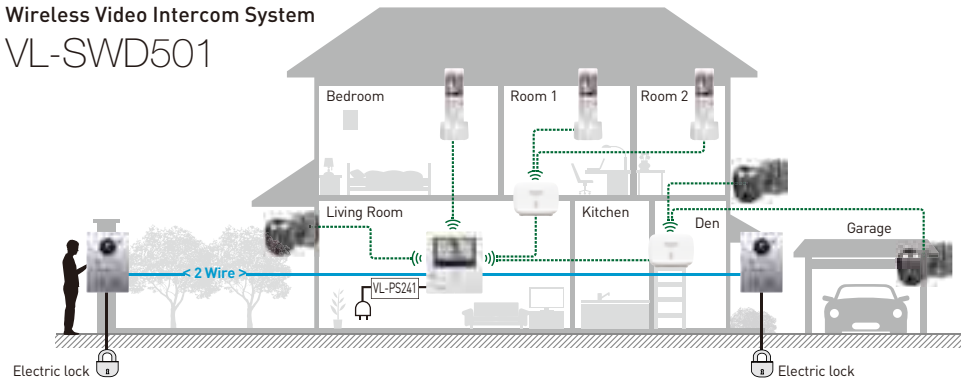
Model Number		VL-SWD501	VL-SWD272	VL-SW251	VL-SVN511	VL-SF70
Maximum Connectable Units	Door Station (Doorphone)	2 [Die-Cast Aluminium]	2	2	2	2
	Main Monitor / Extension Monitor	1 / —	1 / 3	1 / —	1 / —	3 / —
	Wireless Sub Monitor	6 (DECT)	6 (DECT)	4 (2.4 GHz)	—	—
	Smartphone, Tablet	—	—	—	● [4]*1	—
Recording	Video / Picture Recording	●/●	—/●	—/●	—/●	—/●
	SD Card Recording	●	—	—	—	—
Connectable Devices	Sensor Camera	● [4]	—	—	—	—
	Electric Lock Release (Door Opener)	● [2]*2	● [2]	● [2]*2	● [2]	● [2]*2
	Panasonic PBX	—	●	●	●	—
	Repeater	● [2]	● [2]	● [2]	—	—
Others	Night Vision (LED Light)	●	●	●	●	●
	Touch Panel / Pan & Tilt	●/●	—/●	—/—	—/●	—/—
	Wide Angle Camera	● H: 170° V: 115°	— H: 87° V: 66°	— H: 87° V: 66°	— H: 87° V: 66°	— H: 51° V: 38°
	Intercom Call	●	●	●	—	●
	Voice Changer	●	●	●	●	—

*1 The main monitor must be on the same home wireless network as a smartphone/tablet [with the dedicated app installed].

*2 When connecting 2, an optional Door Station is required.

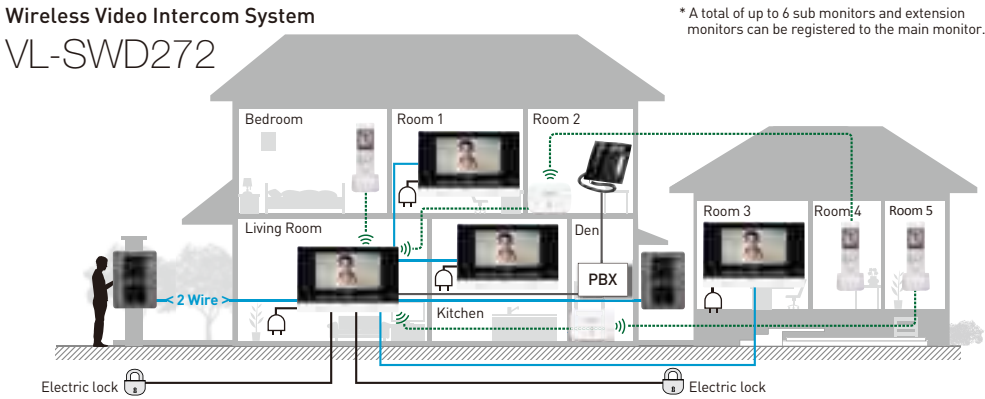
System Configuration Example

Wireless Video Intercom System VL-SWD501



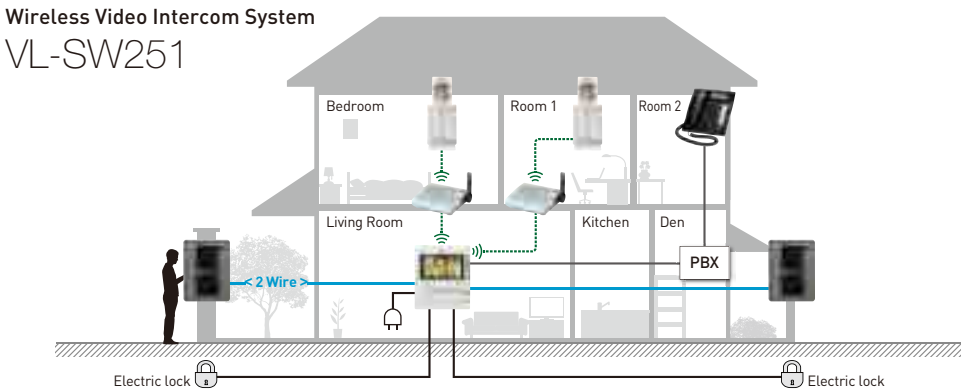
System Units	
Main Monitor Station VL-MWD501	Wireless Monitor Station VL-WD613 Up to 6
Door Station VL-V554 Up to 2	DECT Repeater VL-FKD2 Up to 2
Wireless Sensor Camera VL-WD812 Up to 4	

Wireless Video Intercom System VL-SWD272



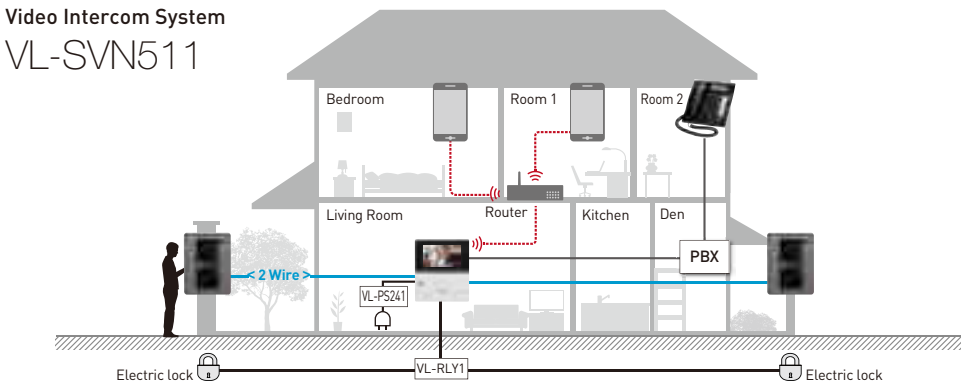
System Units	
Main/Extension Monitor VL-MWD272 Up to 3* [not including the main monitor]	Wireless Monitor Station VL-WD613 Up to 6
Door Station VL-V522L Up to 2	DECT Repeater VL-FKD2 Up to 2
Panasonic PBX	Please consult your dealer when connecting with a PBX. This image shows the KX-NS500.

Wireless Video Intercom System VL-SW251



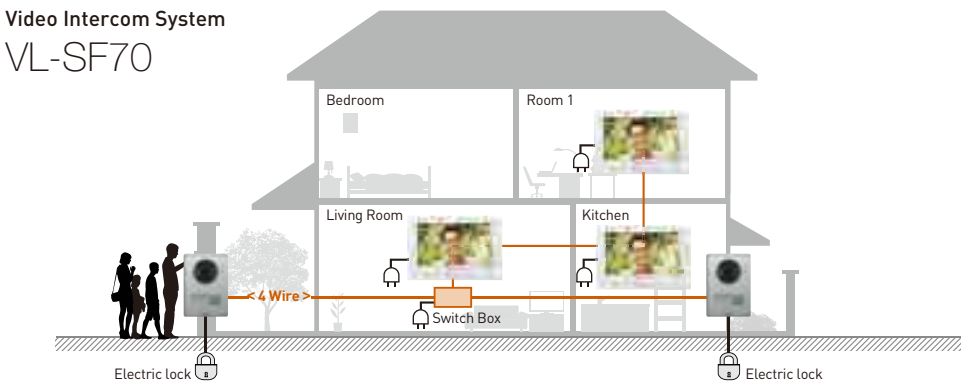
System Units	
Main Monitor Station VL-MW251	Wireless Monitor Station VL-W605 Up to 4
Door Station VL-V522L Up to 2	Repeater for Wireless Monitor VL-FAN1/VL-FAN2* Up to 2 * for India
Panasonic PBX	Please consult your dealer when connecting with a PBX. This image shows the KX-NS500.

Video Intercom System VL-SVN511



System Units	
Main Monitor Station VL-MVN511	Door Station VL-V522L 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.

Video Intercom System VL-SF70



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

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

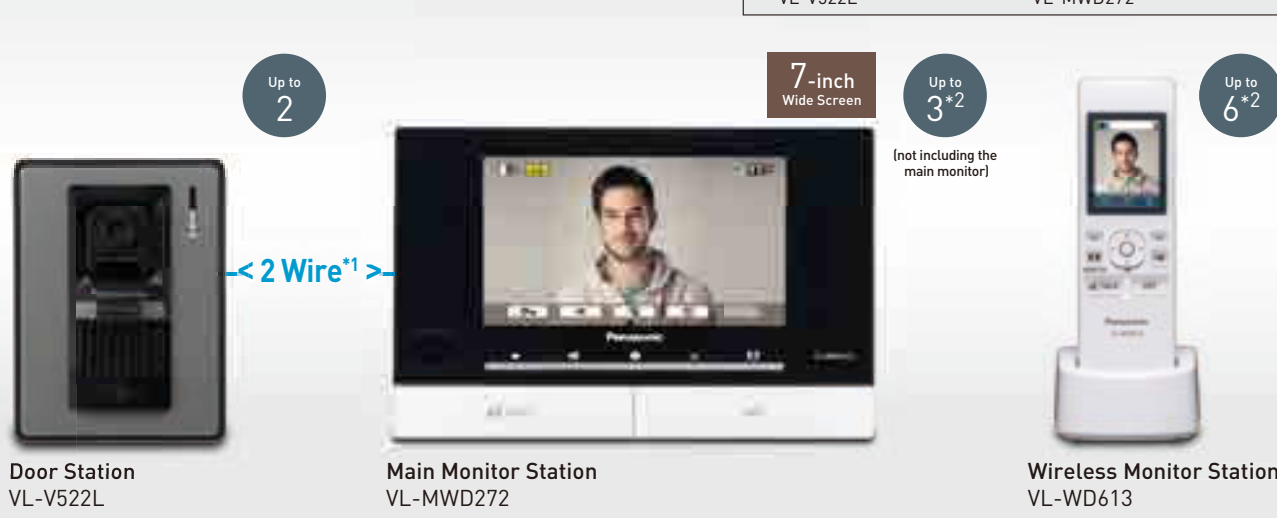
Door Station (Doorphone) VL-V554 (Surface mount) VL-V554U (Flash mount) CMOS 1.0 M pixels Up to 2	Flush Mounting Box VL-MB554	Wireless Monitor Station (Sub Monitor) VL-WD613 Up to 6	Wireless Sensor Camera VL-WD812 Up to 4	DECT Repeater VL-FKD2 Up to 2	Lobby Station VL-V590 Up to 20 main monitors can be connected.
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Related Product

Main Monitor Station (Main Monitor) VL-MWD501
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Expandable DECT Wireless Series

Wireless Video Intercom System
VL-SWD272



*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 6 additional monitors can be connected to the main monitor using a combination of 7-inch wired monitors and 2.2-inch wireless monitors (However, the maximum possible number of 7-inch wired monitors is 3). In addition, PBX connectivity is also supported.



7-inch Screen

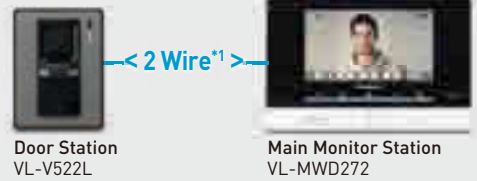
The main monitor and extension monitor have a 7-inch wide screen that offers easy viewing of wide vertical and horizontal views.



Options

Door Station (Doorphone) VL-V522L (Surface mount) Up to 2	Door Station (Doorphone) VL-V554 (CMOS 1.0 M pixels) VL-V555 (CMOS 0.3 M pixels) Up to 2	Extension Monitor VL-MWD272 Up to 3	Wireless Monitor Station (Sub Monitor) VL-WD613 Up to 6	DECT Repeater VL-FKD2 Up to 2	Lobby Station VL-V590 Up to 20 main monitors can be connected.	PBX Connectable PBX Model Numbers 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. This image shows the KX-NS500.
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Video Intercom System
VL-SVD272 (Wireless monitor sold separately)



Wireless Handset (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.



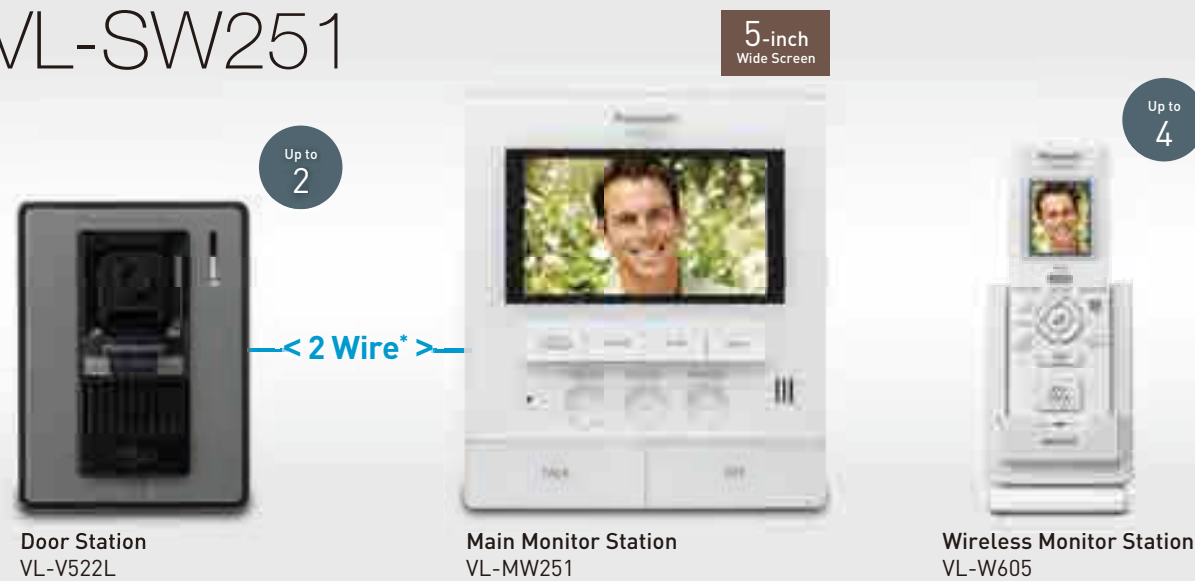
Other Features

- Electric Lock Release Support : AC30 V-1 A / DC24 V-1 A
- Picture Recording (Up to 50 visitors (up to 8 still images per visitor))
- Night Vision (white coloured LED lights)
- Voice Changer
- Intercom Call (between the main monitor, sub monitor and extension monitor)

2.4 GHz Wireless Series

Wireless Video Intercom System

VL-SW251



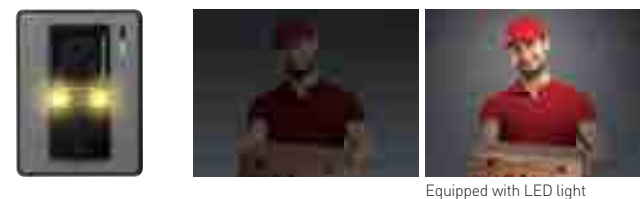
Wireless Handset (2.4 GHz)

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 LED lights (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 : AC30 V-1 A / DC24 V-1 A (Door Opener)
- Voice Changer
- Intercom Call (between main monitor and sub monitor)

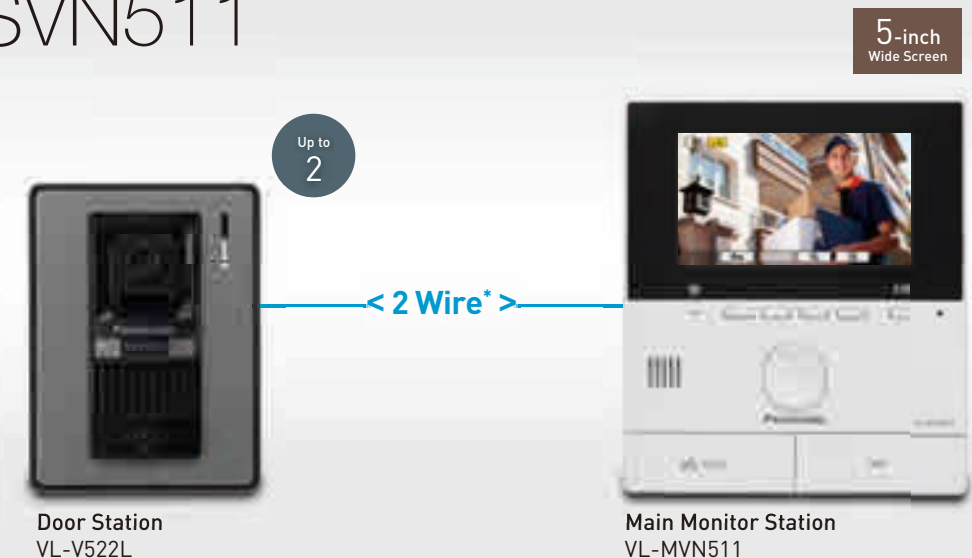
Options

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 can be connected.	Repeater for Wireless Monitor VL-FAN1/VL-FAN2* Up to 2 * for India	PBX This image shows the KX-NS500. Please consult your dealer when connecting with a PBX.	Connectable PBX Model Numbers KX-TDA30/100/100D/200/600 series KX-TDE100/200/600 series KX-NS300/500/700/1000 series
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Smartphone Connect Series

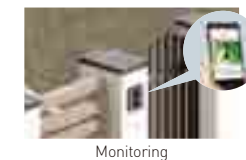
Video Intercom System

VL-SVN511



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.



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

- Supports iOS and Android™ (free application)*
 - iPhone 5 and later, iPad (iOS 7.0 or later)
 - Android smartphones and tablets (Android 4.0 or 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

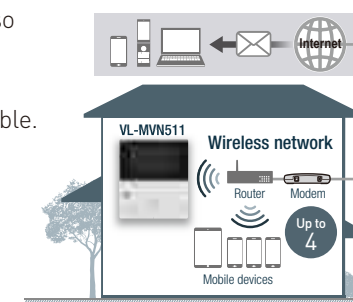
* Some mobile devices may not be compatible.
* For the latest information about the app and compatible devices, visit the following website.



<http://panasonic.net/pcc/support/intercom/smartphone/>

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.



Options

Door Station (Doorphone) VL-V555 (Surface mount) CMOS 0.3 M pixels Up to 2	Door Station (Doorphone) VL-V554 (Surface mount) CMOS 1.0 M pixels Up to 2	Door Station (Doorphone) VL-V522L (Surface mount) Up to 2	Lobby Station VL-V590 Up to 20 main monitors can be connected.	PBX This image shows the KX-NS500. Please consult your dealer when connecting with a PBX.	Connectable PBX Model Numbers KX-TDA30/100/100D/200/600 series KX-TDE100/200/600 series KX-NS300/500/700/1000 series
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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.

4-wire Series

Video Intercom System

VL-SF70



7-inch Wide Monitor

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



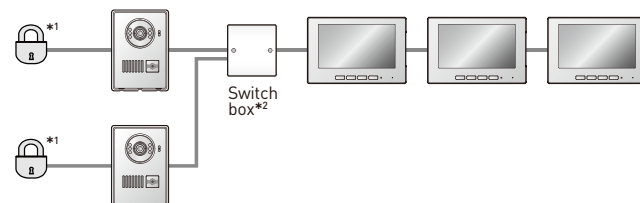
Picture Recording

Up to 50 visitor images are automatically recorded and saved. You can check them when you return home.



Three Monitors Connectable

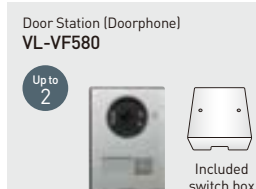
A maximum of three monitor units can be connected. By installing them in the living room and other rooms where you spend the most time, such as a bedroom or kitchen, you can answer the visitor immediately.



Other Features

- Electric Lock Release Support (Door Opener) : DC12 V-1.5 A
- Intercom Call (between monitors) * Multiple monitors required

Options



Multi-Entrance System

1 by 4 Entrance System

VL-VF540

Stylish Door Station for Multi-family Housing or Office, Commercial Facilities

Up to 4 groups/12 monitors can be connected to VL-VF540 and a separate group can be set for each of the 4 call buttons. This enables visitors to call the household they are visiting without disturbing other households. The household can respond by checking the visitor's face and unlocking the lobby door.



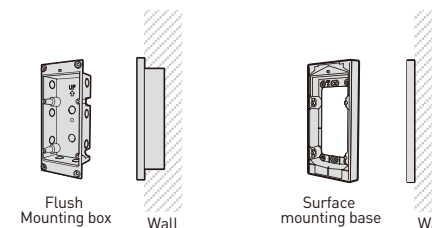
Stylish and Tough

The robust body meets the dustproof and waterproof requirements of IP54^{*1} and a hairline aluminium panel makes your entranceway more stylish.



Two Types of Mounting

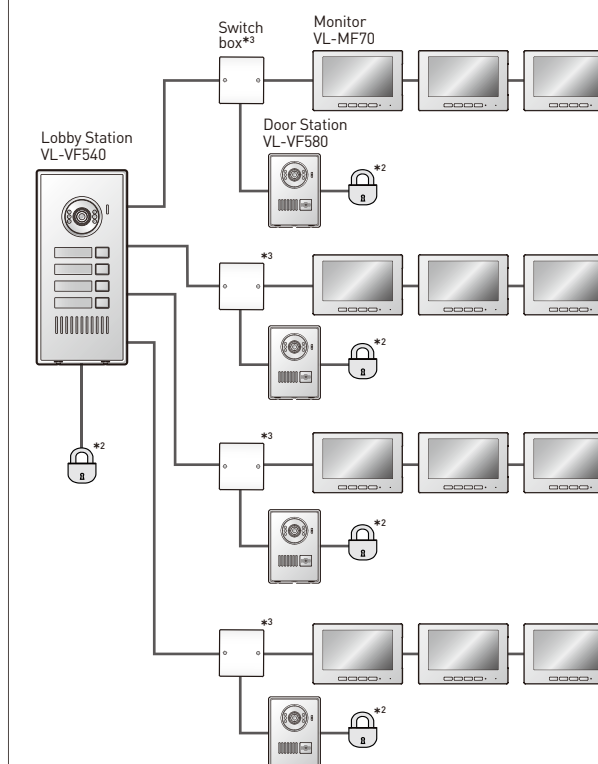
The system can be both attached to a wall or embedded in a wall. Both types of mounting fixtures are included.



Supported Models



System Configuration Example



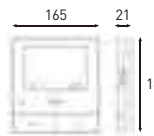
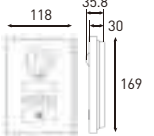

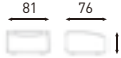
- Up to 4 groups/12 monitors can be connected
- 4 name plates
- Electric Lock Release Support (can be installed in front of each individual home in addition to the lobby)
- Night vision with LED lights and illumination sensor
- CMOS camera (Horizontally: Approx. 51° Vertically: Approx. 38°)

^{*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.
^{*2} Electric lock (user supplied)
^{*3} Switch box (included with the optional VL-VF580, NOT included with the VL-MF70)

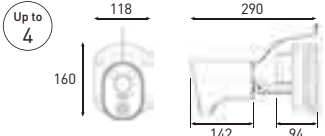
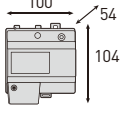
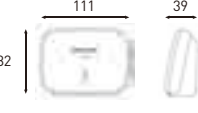
VL-SWD501

Model Composition

VL-SWD501	VL-MWD501 x 1	VL-V554 x 1	VL-WD613 x 1
VL-SWD501U	VL-MWD501 x 1	VL-V554U x 1	VL-WD613 x 1

Model number and name	VL-MWD501	VL-V554 (Surface mount) VL-V554U (Flash 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]	Power supplied by the main monitor 20 V DC, 0.23 A	Rechargeable Ni-MH (AAA x 2)	AC adaptor (PNLV226/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]	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	43 x 81 x 76 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 %	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	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main 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*1 / 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-SWD501 / VL-SWD272)
	Wireless Sensor Camera	Power Supply Unit [VL-PS241]	DECT Repeater
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	AC adaptor (PQLV219/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)	160 x 118 x 290 mm [when the camera is front facing and including the wall mount bracket]	104 x 100 x 54 mm	82 x 111 x 39 mm
Weight	960 g	215 g	88 g (excluding the AC adaptor)
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)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Frequency range	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz
Transmitting range	Approx. 100 m (line-of-sight distance from the main monitor)	—	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*2	—	—
Lighting method	2 white coloured LED lights*3	—	—
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*1	—	—
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.

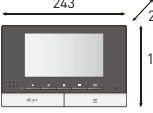



Do not install the camera in areas directly exposed to water or rain.

*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.

VL-SWD272

Model Composition

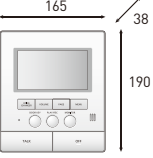


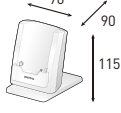
VL-SWD272	VL-MWD272 x 1	VL-V522L x 1	VL-WD613 x 1
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Model number and name	VL-MWD272	VL-V522L	VL-WD613	
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	
			Main body	Charger
Dimensions (Unit: mm)				
Power source	220-240 V AC, 50/60 Hz	Power supplied by the main monitor	Rechargeable Ni-MH (AAA x 2)	AC adaptor (PNLV226) Input: 220-240 V AC, 0.1 A, 50/60 Hz Output: 5.5 V DC, 0.5 A
Power consumption	Standby: Approx. 2.5 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]	158 x 243 x 29.5 mm	131 x 99 x 36.5 mm	173 x 52 x 30 mm	43 x 81 x 76 mm
Weight	825 g*2	200 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 %	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	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main monitor)	—
Viewing angle	—	Horizontally: Approx. 87° Vertically: Approx. 66°	—	—
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	—	Warm white coloured LED lights, Infrared LEDs	—	—
IP rating / IK rating	—	IPX3*3	—	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)	—	—
External material	Flame retardant PC+ABS resin, Flame retardant ABS resin	Flame retardant ABS resin	ABS resin	ABS resin

VL-SW251

Model Composition

VL-SW251	VL-MW251 x 1	VL-V522L x 1	VL-W605 x 1
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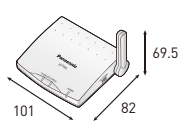
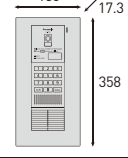
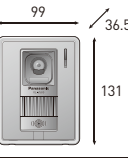
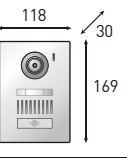
Model number and name	VL-MW251	VL-V522L	VL-W605	
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	
			Main Body	Charger
Dimensions (Unit: mm)				
Power source	100-240 V AC, 50/60 Hz	Supplied by the main monitor	Ni-MH battery (3.6 V DC / 650 mAh)	AC 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]	190 x 165 x 38 mm	131 x 99 x 36.5 mm	157 x 52 x 35 mm	115 x 76 x 90 mm 105 x 76 x 48 mm (using without the stand)
Weight	785 g*2	200 g	175 g (including the battery)	115 g (including the stand)
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 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	5-inch wide colour display / WQVGA (480x272 pixels)	—	1.8-inch colour display	—
Display language	English	—	Depends on main monitor	—
Talking method	Hands-free	Hands-free	Hands-free	—
Frequency range	2.402 GHz to 2.481 GHz	—	2.402 GHz to 2.481 GHz	—
Viewing angle	—	Horizontally: Approx. 87° Vertically: Approx. 66°	—	—
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	—	Warm white coloured LED lights, Infrared LEDs	—	—
IP rating / IK rating	—	IPX3*3	—	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)	—	—
External material	Flame retardant ABS resin	Flame retardant ABS resin	ABS resin	ABS resin

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

*2 Including AC cable. The weight of the AC cable differs depending on the region.

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

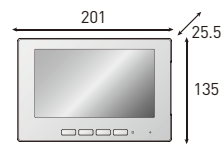
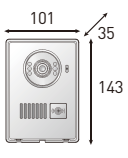
Options

Model number and name	VL-FAN1 / VL-FAN2* (For VL-SW251)* for India	VL-V590	VL-V566	VL-V555
	Optional Repeater for Wireless Monitor	Optional Lobby Station	Optional Door Station (Doorphone)	Optional Door Station (Doorphone)
Dimensions (Unit: mm)	<div>Up to 2</div> 			
Power source	AC adaptor (100~240 V AC, 50/60 Hz)	100 V~240 V AC, 50/60 Hz	Supplied by the main monitor	Supplied by the main monitor
Power consumption (approx.)	VL-FAN1 Standby: 0.05 A During operation: 0.08 A VL-FAN2 Standby: 0.07 A During operation: 0.15 A	Standby: 0.02 A During operation: 0.03 A	—	—
Dimensions (H x W x D) (Excluding protruding sections)	27 x 101 x 82 mm 69.5 x 101 x 82 mm (when raising the antenna)	358 x 180 x 17.3 mm (Excluding sections embedded into the wall)	131 x 99 x 36.5 mm	169 x 118 x 30 mm
Weight	85 g	2.0 kg	200 g	395 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -10 °C to +50 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -10 °C to +50 °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)
Frequency range	2.402 GHz to 2.481 GHz	—	—	—
Transmitting range	Approx. 100 m (line-of-sight distance from the main monitor)	—	—	—
Viewing angle	—	Horizontally: Approx. 87° Vertically: Approx. 66°	Horizontally: Approx. 87° Vertically: Approx. 66°	Horizontally: Approx. 170° Vertically: Approx. 130°
Image sensor / camera (pixel)	—	—	CMOS sensor (Approx. 0.3 M pixels)	CMOS sensor (Approx. 0.3 M pixels)
Installation method	—	Flush mount (flush mounting box supplied)	Surface mount (mounting base supplied)	Surface mount (mounting base supplied) * Optional flush mounting box is sold separately.
External material	Flame retardant PS resin	Stainless steel and flame retardant ABS resin	Flame retardant ABS resin	Aluminium and flame retardant PC+PS resin

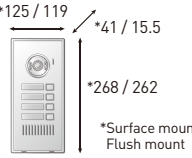
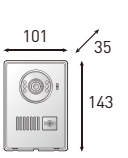
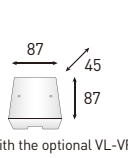
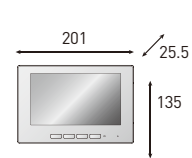
VL-SF70

Model Composition



Model number and name	VL-MF70	VL-VF580
	Monitor	Door Station (Doorphone)
Dimensions (Unit: mm)	<div>Up to 3</div> 	<div>Up to 2</div> 
Power source	AC adaptor (PNLV245), 24 V DC, 0.5 A	Supplied by the monitor
Power consumption	Standby: Approx. 1.3 W During operation: Approx. 10 W	—
Dimensions (H x W x D) (Excluding protruding sections)	135 x 201 x 25.5 mm	143 x 101 x 35 mm
Weight	465 g	265 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): from 45 % up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)
Display	Approx. 7-inch wide colour display	—
Talking method	Hands-free	Hands-free
Viewing angle	—	Horizontally: Approx. 51° Vertically: Approx. 38°
Image sensor / camera (pixel)	—	CMOS sensor (Approx. 0.3 M pixels)
Minimum illuminance required	—	1 lx (within approx. 50cm from the camera lens)
Lighting method	—	White coloured LED lights
IP rating / IK rating	—	IP44*1
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)
External material	Flame retardant ABS resin	Flame retardant ABS resin

VL-VF540 series

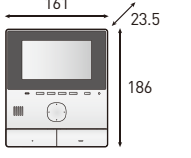

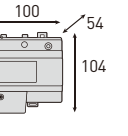
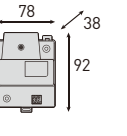
Model number and name	VL-VF540	Optional Accessories		
	Door Station (Doorphone)	VL-VF580	VL-MF70	
Dimensions (Unit: mm)		Door Station (Doorphone)	Switch Box	Monitor
		<div>Up to 4</div> 		<div>Up to 12</div> 
Power source	Supplied by the monitor			
Power consumption	—	Standby: Approx. 0.5 W During operation: Approx. 1.5 W	—	Standby: Approx. 1.3 W During operation: Approx. 10 W
Dimensions (H x W x D) (Excluding protruding sections)	Surface mount: 268 x 125 x 41 mm Flush mount: 262 x 119 x 15.5 mm	143 x 101 x 35 mm	87 x 87 x 45 mm	135 x 201 x 25.5 mm
Weight	500 g	265 g	100 g	465 g
Operating environment	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)			
Display	—	—	—	Approx. 7-inch wide colour display
Talking method	—	Hands-free	—	Hands-free
Viewing angle	—	Horizontally: Approx. 51° Vertically: Approx. 38°	—	—
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	—	White coloured LED lights	—	—
IP rating / IK rating	IP54*1 / Compliant with IK07	IP44*1	—	—
Installation method	Flush mount or Surface mount (flush mounting box and surface mounting base supplied)	Surface mount (mounting base supplied)	Wall mount	Wall mount (mounting bracket supplied)
External material	Aluminium / Flame retardant ABS resin	Flame retardant ABS resin	Flame retardant 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-SVN511

Model Composition



Model number and name	VL-MVN511	VL-V522L	VL-PS241	VL-RLY1
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Power Supply Unit	Relay Box
Dimensions (Unit: mm)		<div>Up to 2</div> 		
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 During operation: Approx. 10 W	—	—	—
Dimensions (H x W x D) (Excluding protruding sections)	186 x 161 x 23.5 mm	131 x 99 x 36.5 mm	104 x 100 x 54 mm	92 x 78 x 38 mm
Weight	485 g	200 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 / WVGA (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. 87° Vertically: Approx. 66°	—	—
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	—	Warm white coloured LED lights, Infrared LEDs	—	—
IP rating / IK rating	—	IPX3*1	—	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)	Wall mount or attach to DIN rail	Wall mount or attach to DIN rail
External material	Flame retardant ABS and PS resin	Flame retardant ABS 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.

Compatibility of Main Monitor, Wireless Monitor and Door Station

Please contact your nearest Panasonic dealer for sales information.

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

Main Monitor (Package No.)		Wireless Sub Monitor				Door Station					4-Entrance	Lobby Station	
		[2.4 GHz]		[DECT]		VL-554/ VL-V554U 1.0 M pixels	VL-V555 0.3 M pixels	VL-V522L 0.3 M pixels	VL-V566 0.3 M pixels	VL-VF580 0.3 M pixels	VL-VF540 0.3 M pixels	VL-V590 0.3 M pixels	VL-V900 1.0 M pixels
		VL-W605 1.8-inch	VL-FAN1/FAN2*2 Repeater	VL-WD613 2.2-inch	VL-FKD2 Repeater								
(*)1 VL-MWD501 (VL-SWD501)	5-inch WVGA colour	x	x	● up to 6	● up to 2	●	○(*6)	○(*6)	○(*6)	x	x	○(*6)	x
VL-MWD272 (VL-SWD272) (add up to 3 extension monitors *)	7-inch WVGA colour	x	x	● up to 6 (*7)	● up to 2	○	○	●	x	x	x	○	○
VL-MW251 (VL-SW251)	5-inch WQVGA colour	● up to 4	● up to 2	x	x	x	x	●	○	x	x	○	○
VL-MVN511 (VL-SVN511)	5-inch WQVGA colour	smartphone connect model				○	○	●	○	x	x	○	○
VL-MF70 (VL-SF70) (add up to 2 monitors)	7-inch WVGA colour	wired model				x	x	x	x	●	○	x	x
VL-MV26*8	3.5-inch QVGA colour	wired model				x	x	x	x	x	x	x	○

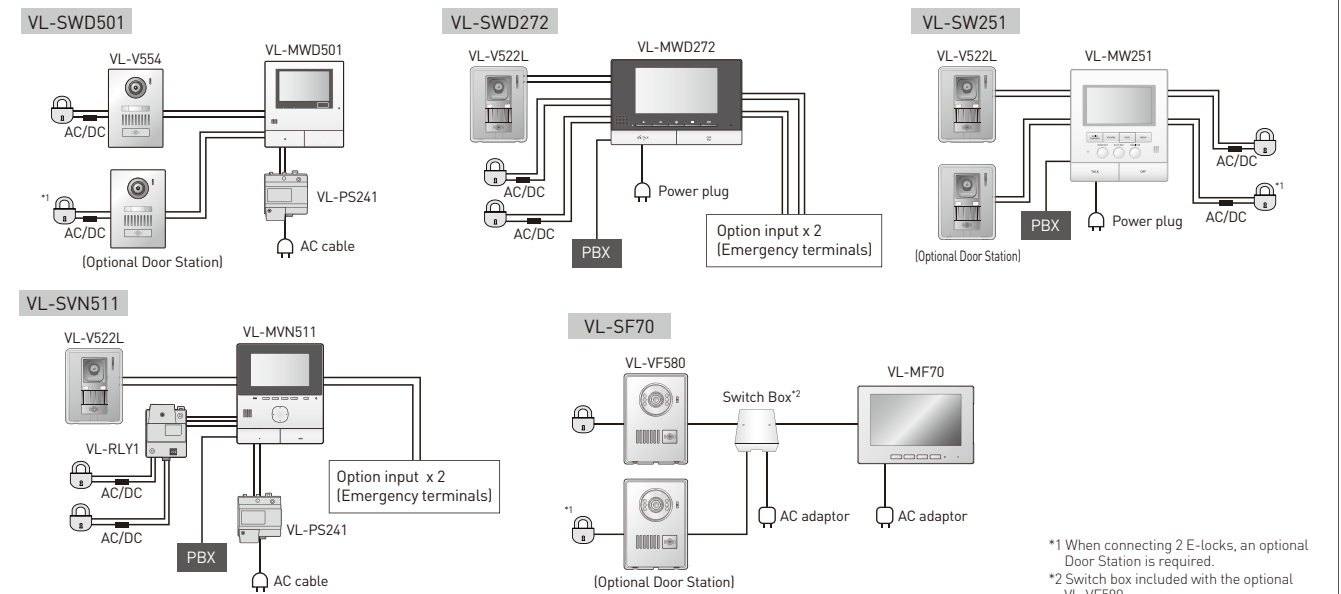
*1 Monitor is not sold as a single unit. *2 VL-FAN2: Repeater for India *3 Wide/zoom settings and zoom position settings are not available.

*4 Doorphone LED light illumination settings and backlight compensation settings are not available. *5 Outside monitoring using the doorphone is not available.

*6 The image quality may be lower than that of the Door Station included in the package, but this is not a malfunction.

*7 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor. *8 Connectable to doorbell

Comparison of the wiring



*1 When connecting 2 E-locks, an optional Door Station is required.

*2 Switch box included with the optional VL-VF580.

IP Video Intercom System for Apartment Complexes



Lobby Station

VL-VN1900

Pure IP lobby station with a colour LCD monitor and wide-angle camera. Elegant design and durable structure with a metallic panel.

Main Features

- **3.5-inch colour LCD monitor** (320x240 pixels)
 - Displays the resident's name
 - On-screen user guidance
- **Wide angle camera**
 - Wide view of 120 degrees (horizontal), 72 degrees (vertical)
 - Mechanical adjustment (up to +/- 15 degrees vertically)
 - 2.0 M pixels provide a clear image (T.B.D.)
- **E-lock unlocking function**
 - Unlock the public door by using an IC card (Built-in MIFARE® RFID)
 - Unlock the public door by using a PIN code for each residence

Other Features

- Strong and elegant exterior with an aluminium panel
- IP55 (T.B.D.), IK07 (T.B.D.)
- Phonebook (Room-No., Resident's names)
- Theft detection buzzer



Room Monitor

VL-MN1000

Pure IP room monitor with 7-inch wide LCD and touch screen.

Main Features

- **7-inch wide LCD with capacitive touch screen**
 - Provides a clear image on the wide screen
 - Accurate and smooth operation via a capacitive touch screen
- **IP camera monitor**
 - Monitors various areas using a Panasonic Network Camera (Supported devices: Panasonic i-PRO series, E-series)
- **Standard PoE is supported**
 - Power can be supplied via Ethernet cable (PoE)
 - Power Supply Unit also available (VL-PS240 is sold separately)

Other Features

- Video messages from the Lobby Station: up to most recent 50
- Manual recording (videos): up to most recent 50
- Auto/manual recording (still images): up to most recent 100
- E-lock unlocking (both individual and public doors)
- 5 sensor inputs (urgency/emergency button and other sensors) and 1 door bell input

One Panasonic Solution

Greater peace of mind with interconnected Panasonic IP products



IP Camera / Network Camera

Monitoring



Operation Specification

- Codec Format: H.264 (Fixed)
- Image Resolution: 720p (1280x720 pixels) or less
- Frame Rate: 30 fps or less

Recommended Models*

- E-series, i-PRO series

SIP Phone

Communication



Recommended Model-No.*

- KX-HDV430 (Video and Audio)
- KX-HDV230 (Audio)
- KX-HDV130 (Audio)

NVR

Recording



Operation Specification

- Codec Format: H.264 (Fixed)
- Image Resolution: 720p (1280x720 pixels) WVGA (800x480 pixels) D1 (704x576 pixels)
- Frame Rate: 3/25/30 fps

Recommended Models*

- E-series, i-PRO series

* Consult your certified Panasonic dealer for more information.



Door Station

VL-VN1500

Pure IP door station with a wide-angle camera and RFID reader. Simple and sleek design.

Main Features

- **Wide-angle camera**
 - Wide view of 120 degrees (horizontal), 72 degrees (vertical) (T.B.D.)
 - 1.3 M pixels provide a clear image (T.B.D.)
- **E-lock unlocking function**
 - Unlock the individual doors by using an IC card (Built-in MIFARE RFID)
 - * Relay box is required when connecting an E-lock to the door station. (VL-RLY1 is sold separately)
- **Standard PoE is supported**
 - Power can be supplied via Ethernet cable (PoE)
 - Power Supply Unit also available (VL-PS240 is sold separately)

Other Features

- Night vision with white coloured LED lights
- Theft detection buzzer



Control Box

VL-VN1700

Up to 2000 devices are supported. Panasonic SIP Phone is available in the system.

Main Features

- **Embedded SIP server**
 - Supports 2000 SIP devices (Lobby Station, Door Station, Room Monitor and Panasonic SIP Phone)
- **Voice mail**
 - Voice mails can be issued by the SIP Phone to each room or grouped rooms
- **Setup tool**
 - Easy to install
 - Supports the bar-code reader interface

Other Features

- E-mail notification*
Received voice mail messages can be forwarded via e-mail, enabling quick access to important voice mail

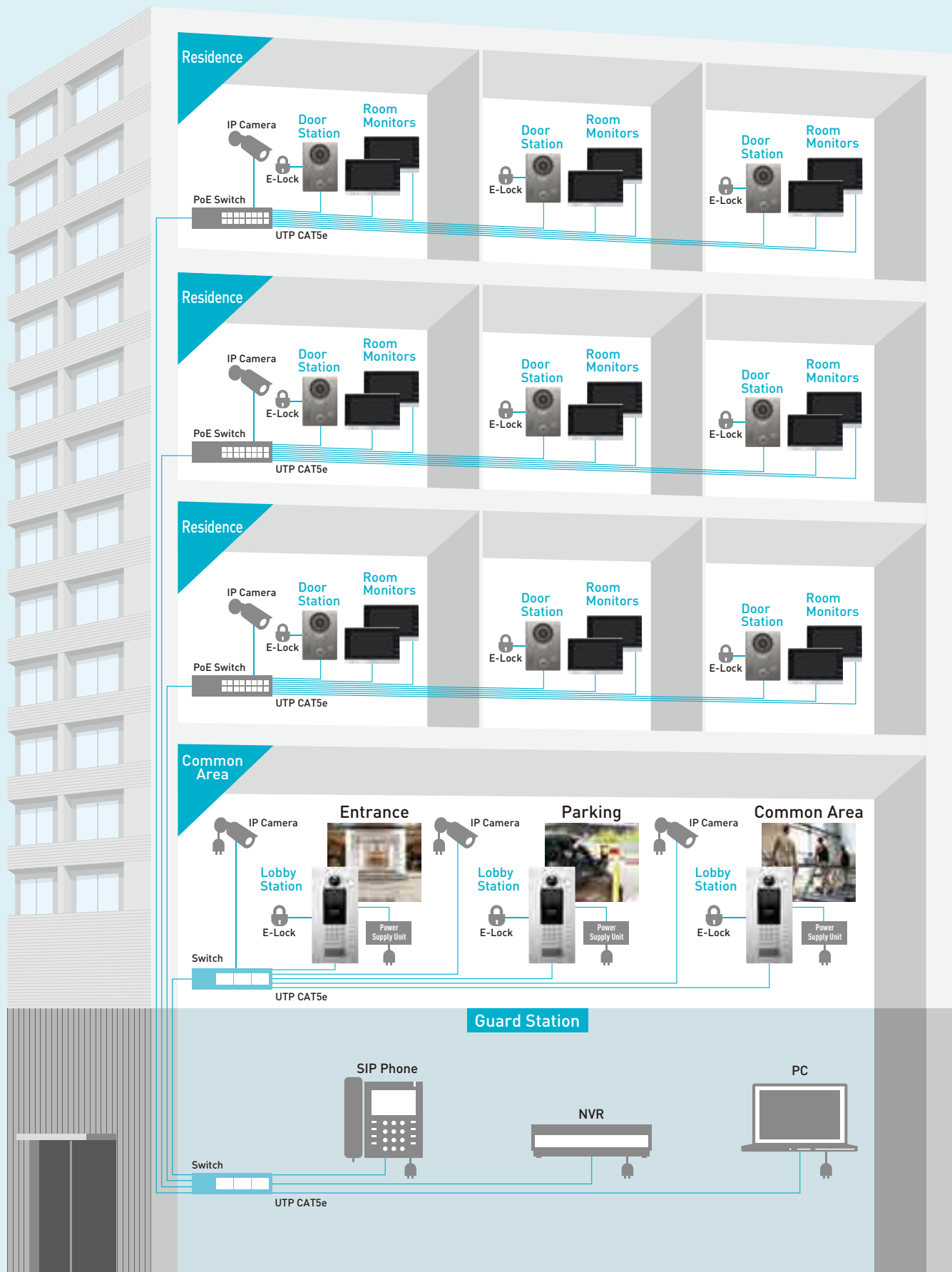
* External mail server and an internet connection are required.

System Diagram of the Apartment System

Support up to 200 devices on a system without a Control Box

FUNCTION

- 200 SIP devices are supported
- Multiple sessions are supported
- Send text mail from control room to all monitors
- Easy setup by PC tool

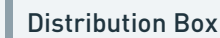


Support up to 2,000 devices on a system with a Control Box

FUNCTION

- 2,000 SIP devices are supported
- Multiple sessions are supported
- Remote maintenance
- Voice mail
- E-mail notification
- Send voice mail from control room to all monitors
- Easy setup by PC tool





VL-V701

Role as a distribution box

Role as a repeater box

Lift Controller

VL-V702

Supported control methods

Extension Box

VL-V703

Features

Lobby Station

VL-V900

Control Box

VL-V700

Features

- ## Connectable devices

- ## Features

- ## Connectable devices

- ## Main Monitor Line Up

*1 Including AC cable. The weight of the AC cable differs depending on the region.

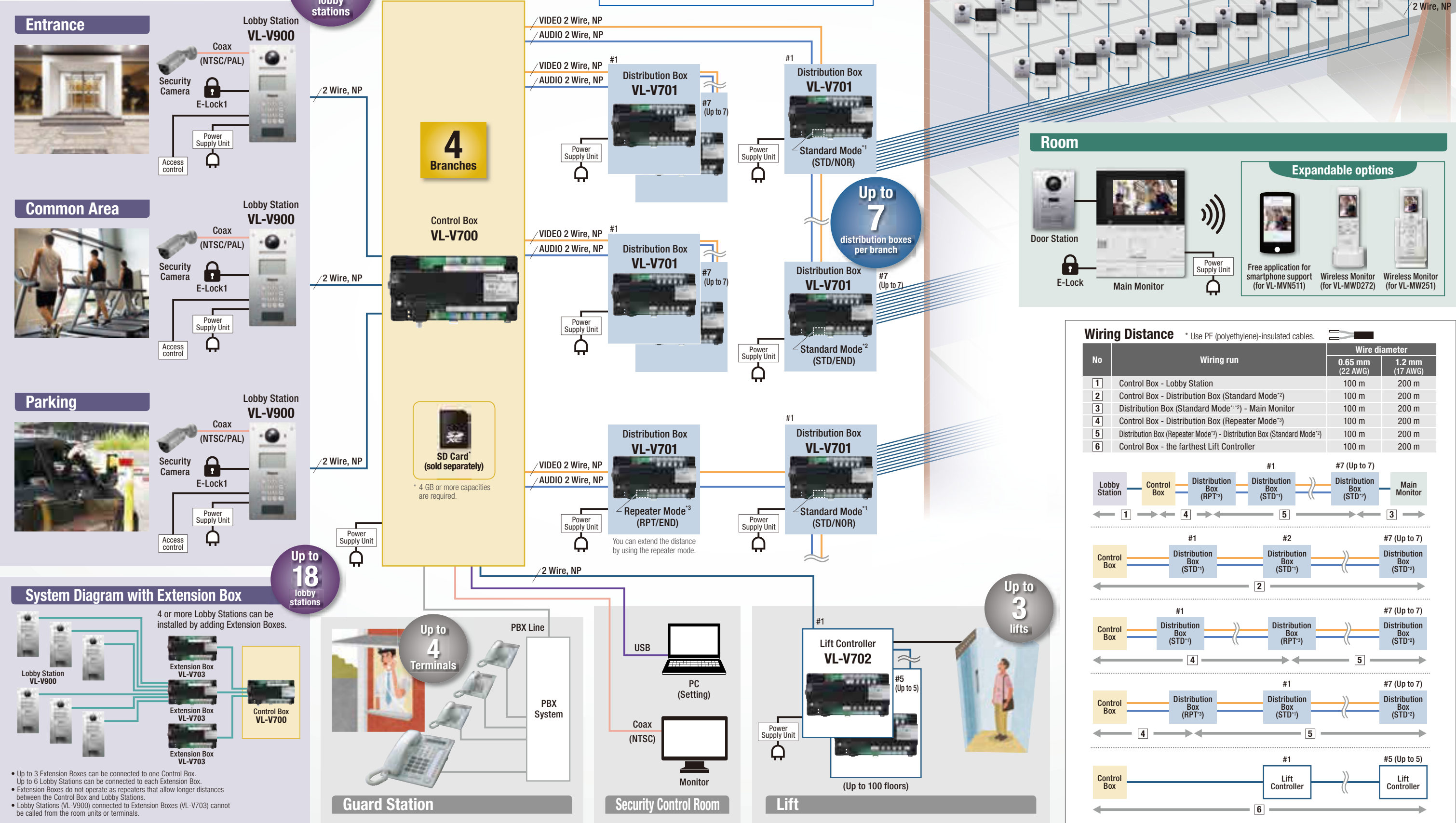
*2 VL-RLY1 is required.

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

*4 The main monitor must be connected to a wireless router that is connected to the Internet in order to use email features.

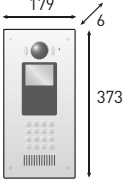
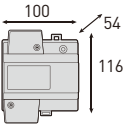
System Diagram of the Apartment System


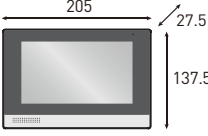
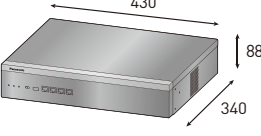
- Total System**
- Control Box** 1 unit
 - Distribution Box** 28 units
 - Room Unit** 560 units



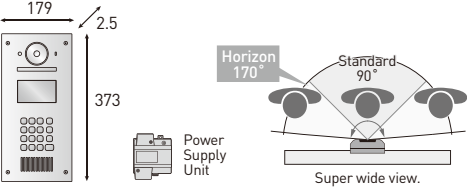
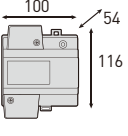
Up to
560
room units
total

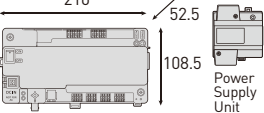
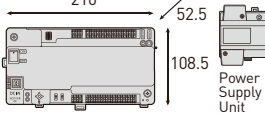
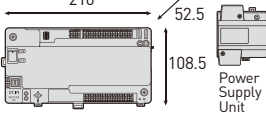
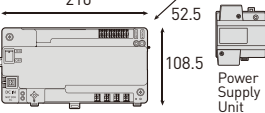
VL-VN1900 series (IP Video Intercom System for Apartment Complexes)

Model number and name	VL-VN1900	
	Lobby Station	Power Supply Unit (VL-PS240)
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS240) 220-240 V AC	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A
Power consumption	T.B.D.	—
Dimensions (H x W x D) (Excluding protruding sections)	373 x 179 x 6 mm (T.B.D.) [excluding sections embedded into the wall]	116 x 100 x 54 mm
Weight	1.6 kg (T.B.D.)	230 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °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)
Display	3.5-inch colour display (320x240 pixels)	—
Display language	English, Arabic, French, Italian, German, Spanish and Dutch (T.B.D.) Only user guidance supports multiple language Resident's names are only in English	—
Talking method	Hands-free	—
Network interface	Ethernet II (DIX) 10Base-T/100Base-TX (auto negotiate)	—
Wiring	UTP (cat.5e or higher)	—
RFID card	13.56 MHz RFID card (MIFARE)	—
Expanded interface	E-lock x 1 (NO/NC)	—
Viewing angle	Horizontally: Approx. 120°, Vertically: Approx. 72° (T.B.D.) [15° angle adjusting, vertical only]	—
Image sensor	2.0 M pixels CMOS sensor (T.B.D.)	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	—
Lighting method	White coloured LED lights	—
SIP server	Embedded SIP server (up to 200 nodes)	—
Codec	Video: H.264 codec, Audio: G.711 codec	—
Setting	Setup tool	—
IP rating / IK rating	IP55* (T.B.D.) / IK07 (T.B.D.)	—
Installation method	Flush mount (flush mounting box supplied)	Wall mount or attach to DIN rail
External material	Aluminium	Flame retardant PC+ABS resin
Supported functions	<ul style="list-style-type: none">Room numbers using numbers 0 through 9 and letters A through FPhonebook (Room-No., Resident's name)Theft detection buzzerUnlock lobby door via a PIN code or RFID card (MIFARE)Reception modeRecording images of visitors to NVRDisplay a BMP file set by the user (320x180 pixels)	—

Model number and name	VL-VN1500	VL-MN1000	VL-VN1700
	Door Station	Room Monitor	Control Box
Dimensions (Unit: mm)			
Power source	Standard PoE (802.3af) or Power supply unit (VL-PS240*) 220-240 V AC	Standard PoE (802.3af) or Power supply unit (VL-PS240*) 220-240 V AC	100-240 V AC, 0.95-0.6 A, 50/60 Hz
Power consumption	T.B.D.	T.B.D.	50 W (when fully mounted)
Dimensions (H x W x D) (Excluding protruding sections)	141 x 100 x 28.5 mm (T.B.D.)	137.5 x 205 x 27.5 mm (T.B.D.)	88 x 430 x 340 mm
Weight	0.5 kg (T.B.D.)	0.8 kg (T.B.D.)	Under 5.0 kg
Operating environment	Ambient temperature: Approx. -10 °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 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	—	7-inch wide colour display with touch screen (800x480 pixels)	—
Display language	—	English, Arabic, French, Italian, German, Spanish and Dutch (T.B.D.)	—
Talking method	Hands-free	Hands-free	—
Network interface	Ethernet II (DIX) 10Base-T/100Base-TX (auto negotiate)	Ethernet II (DIX) 10Base-T/100Base-TX (auto negotiate)	Ethernet 10BASE-T/100BASE-TX/1000BASE-T
Wiring	UTP (cat.5e or higher)	UTP (cat.5e or higher)	UTP (cat.5e or higher)
RFID card	13.56 MHz RFID card (MIFARE)	—	—
Expanded interface	E-lock x 1 *Relay box VL-RLY1 is required (sold separately)	Sensor input x 5 (including emergency button)	—
Viewing angle	Horizontally: Approx. 120°, Vertically: Approx. 72° (T.B.D.)	—	—
Image sensor	1.3 M pixels CMOS sensor (T.B.D.)	—	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	White coloured LED lights	—	—
Codec	Video: H.264 codec, Audio: G.711 codec	Video: H.264 codec, Audio: G.711 codec	—
Setting	Setup tool	Setting from the monitor screen or Setup tool	—
Recording	—	Internal memory (video with audio can be saved)	—
IP rating / IK rating	IP54*1 (T.B.D.) / (T.B.D.)	—	—
Installation method	Surface mount (mounting base supplied)	Surface mount (mounting bracket supplied) or Flush mount (flush mounting box sold separately)	Mountable to 19-inch racks
External material	PC+ABS resin	PC+ABS resin	Front Cabinet: ABS, Lower / Upper Cabinet: Steel
Supported functions	<ul style="list-style-type: none">Unlock individual doors via the RFID card (MIFARE)Theft detection buzzer	<ul style="list-style-type: none">Monitoring through the IP cameraEmergency call / Urgency callIntercom calls between monitors (family or neighbours)Calls to SIP Phones (guard station, reception, etc.)Register up to 32 IP Cameras per monitorRegister up to 18 SIP Phones per monitor	<ul style="list-style-type: none">Remote maintenanceVoice mailE-mail notificationSupports up to 2000 SIP devices (embedded SIP server)

VL-V900 series (Analogue Video Intercom System for Apartment Complexes)

Model number and name	VL-V900	VL-PS240
	Lobby Station	Power Supply Unit
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS240) 24 V DC, 0.2 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A
Power consumption	Standby: Approx. 1.9 W During operation: Approx. 4.5 W	—
Dimensions (H x W x D) (Excluding protruding sections)	373 x 179 x 2.5 mm [excluding sections embedded into the wall]	116 x 100 x 54 mm
Weight	2.0 kg	230 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °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)
Display	4.3-inch monochrome display (white backlit LCD)	—
Display languages	English	—
Talking method	Hands-free	—
Expanded interface	Support for electric lock releasing (entrance unlocking) x 1 VIDEO-IN (recommended Panasonic security camera) x 1	—
Viewing angle	Horizontally: Approx. 170° Vertically: Approx. 115°	—
Image sensor	(1/4 inch) CMOS sensor (approx. 1 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	IP55*1 / Compliant with IK07	—
Installation method	Stainless steel (partially ABS and PC)	Flame retardant PC+ABS resin
External material	Flush mount (flush mounting box supplied)	Wall mount or attach to DIN rail
Supported functions	<ul style="list-style-type: none">Guidance (simple usage for visitors)Night colour vision (white coloured LED lights)Heat sensor: The backlight of the display and buttons are turned on when a visitor is detectedDisplay the resident's namesUnlock with PIN-code	—

Model number and name	VL-V700	VL-V701	VL-V702 ²	VL-V703
	Control Box	Distribution Box (Distribution mode / Repeater mode)	Lift Controller	Extension Box
Dimensions (Unit: mm)				
Power source	Power supply unit (VL-PS240), 24 V DC, 0.2 A			
Power consumption	Standby: Approx. 3.5 W During operation: Approx. 3.7 W	Standby: Approx. 1.2 W During operation: Approx. 2.0 W	Standby: Approx. 0.4 W During operation: Approx. 4.4 W	Standby: Approx. 1.5 W During operation: Approx. 1.5 W
Dimensions (H x W x D) (Excluding protruding sections)	108.5 x 210 x 52.5 mm			
Weight	400 g			
Operating environment	Ambient temperature: -10 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)			
Installation method	Wall mount or attach to DIN rail			
External material	ABS (flame retardant ABS resin)			
Log	Save the text logs and visitors' images in the SD card (sold separately) Text logs: More than 90,000 items, Images: Up to 90,000 images	—	—	—
Supported functions	USB connection (provide PC application/English) <ul style="list-style-type: none">date and time setting (HH:MM DD/MM/YYYY)set the room number to the monitorestimate the status of the equipment in the systemoperation setting (terminal, pass code, and so on.) SD card (SDHC/SDXC): Log function VIDEO OUTPUT (NTSC up to 1) RJ-11: Connect with PBX system	Dip switch <ul style="list-style-type: none">Mode change [Distribution mode/Repeater mode]Termination setting (Normal/Terminal)ID setting (1-7 by binary number)	Supported control methods <ul style="list-style-type: none">1:1 control (Relay signalling)Binary control	Extend Lobby Stations

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

*2 The supported control method depends on the specifications of the lift and lift control box. Contact the lift manufacturer for details.

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

*2 VL-PS240 is sold separately.