Panasonic

VIDEO INTERCOM SYSTEM
LINE-UP CATALOGUE

Flexible and
convenient solutions
that work for you.

Why Panasonic?

We are making every effort to research and develop state-of-the-art technology, production process technology, and quality innovation. We will provide new products that will contribute to value improvement for customers by proposing solutions. Innovative products are created together with the customer.

Diverse Product Line-up

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

Single House

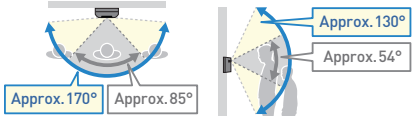
Analogue

IP

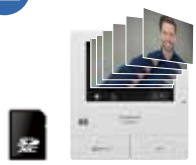
Stylish Design and Rich Features

Wireless

Wide angle



Pic. & SD-card rec



Voice changer

User-friendly & multilingual UI

PBX compatible

Easy installation (non polar, 2-wire)

*Please refer to the Comparison Chart for the specifications of each model.

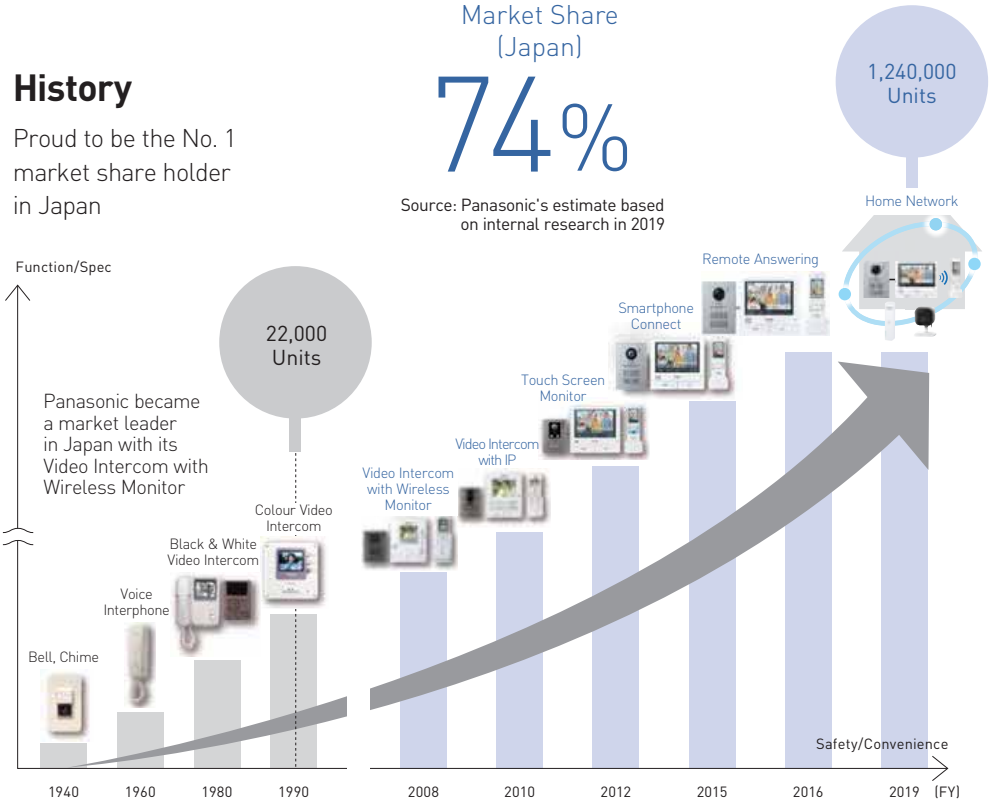
History

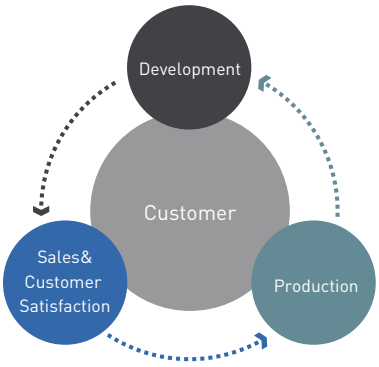
Proud to be the No. 1 market share holder in Japan

Market Share (Japan)

74%

Source: Panasonic's estimate based on internal research in 2019



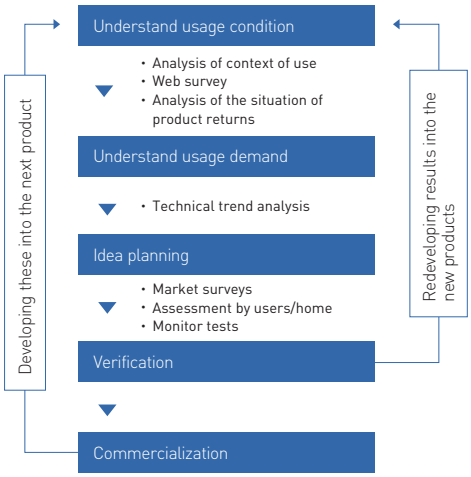


We grasp customer needs, plan products, and then proceed to develop them.
Safe, reliable products are manufactured under strict quality control. In addition, customer service and products that truly fit customer needs, earning us high acclaim in world markets.

Dedicated to the Customer Centric Policy

Everything we do is for our customers

We precisely grasp customer needs by asking for opinions, and then we create ideas in response. Our passion for developing truly great products helps to bring shape to these ideas.



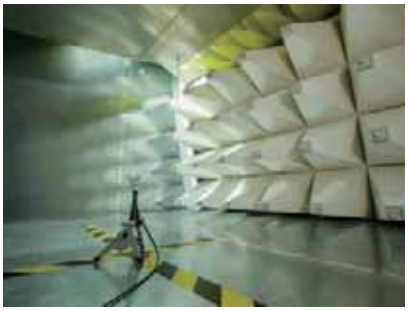
Customer opinions are sought both before and after our products are launched, in an effort to offer the best possible products. Monitor testing is also conducted at the prototype stage. If assessments do not meet expectations, further improvements are made.

High Quality Products

Low failure rates

Numerous safety test items

High-reliability tests



Photos are for illustrative purposes only.

Product Lineup

Stylish Premium
DECT Wireless Series
VL-SWD501EX/AZ/BX

DECT

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 AZ/BX/CX/CX1/ML

DECT

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

Expandable
DECT Wireless Series
VL-SWD273 AZ

DECT

1 x Main Monitor: VL-MWD273
1 x Door Station: VL-V554
1 x Wireless Sub Monitor: VL-WD613

Expandable
DECT Wireless Series
VL-SWD272 AZ/BX/CX/CX1/ML

DECT

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

Expandable
2.4 GHz Wireless Series
VL-SW274 BX/SX/VN

2.4 GHz

1 x Main Monitor: VL-MW274
1 x Door Station: VL-V522L
1 x Wireless Sub Monitor: VL-W617

Smartphone Connect Series
VL-SVN511EX

Smartphone connect

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

Smartphone Connect Series
VL-SVN511AZ

Smartphone connect

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

Smartphone Connect Series
VL-SVN511BX/CX/CX1/SX/VN

Smartphone connect

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

Design Series
VL-SV75 AZ

Wired

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

Design Series
VL-SV74 AZ/BX/CX/CX1/ML/SX/VN

Wired

1 x Main Monitor: VL-MV74
1 x Door Station: VL-V524L

Expandable Series
VL-SV72 AZ

Wired

1 x Main Monitor: VL-MV72
1 x Door Station: VL-V522L

Expandable Series
VL-SV71 AZ/BX/CX/CX1/ML/SX/VN

Wired

1 x Main Monitor: VL-MV71
1 x Door Station: VL-V522L

Entry Series
VL-SV70 BX/CX/CX1/SX/VN

Wired

1 x Main Monitor: VL-MV70
1 x Door Station: VL-V522L

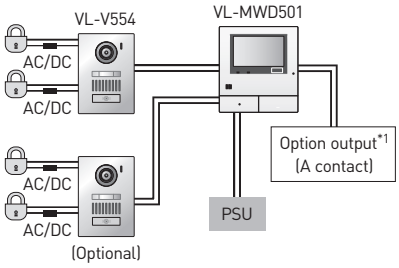
Comparison Chart

		DECT			2.4 GHz	Smartphone connect	Wired		
Model Number		VL-SWD501	VL-SWD275	VL-SWD273 VL-SWD272	VL-SW274	VL-SVN511	VL-SV75 VL-SV74	VL-SV72 VL-SV71	VL-SV70
Maximum Connectable Units	Door Station (Doorphone)	2	2	2	2	2	2	2	1
	Main Monitor / Extension Monitor	1 / —	1 / 3*1	1 / 3*1	1 / 3*1	1 / —	1 / 3	1 / 3	1 / —
	Wireless Sub Monitor	6 (DECT)	6*1 (DECT)	6*1 (DECT)	6*1 (2.4 GHz)	—	—	—	—
	Smartphone, Tablet	—	—	—	—	● (4)*2	—	—	—
Recording	Video / Picture Recording	●/●	—/●	—/●	—/●	—/●	—/●	—/●	—/●
	SD Card Recording	●	—	—	—	—	—	—	—
Connectable Devices	Sensor Camera	● (4)	—	—	—	—	—	—	—
	Electric Lock Release	EX model: ● (4)*3 others: ● (2)*4	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (1)
	Wireless Repeater	● (2)	● (2)	● (2)	● (2)	—	—	—	—
	Panasonic PBX	—	●	●	●	●	●	●	—
Door Station	Image sensor	1.0 M pixels	1.3 M pixels	SWD273: 1.0 M pixels SWD272: 0.3M pixels	0.3 M pixels	0.3 M pixels	1.3 M pixels	0.3 M pixels	0.3 M pixels
	View Angle	H: 170° V: 115°	H: 85° V: 54°	SWD273: 170°, 115° SWD272: 87°, 66°	H: 87° V: 66°	EX, AZ: 170°, 130° others: 87°, 66°	H: 85° V: 54°	H: 87° V: 66°	H: 87° V: 66°
	Night Vision	● (LED lights)	● (LED lights)	● (LED lights)	● (LED lights)	● (LED lights)	● (LED lights)	● (LED lights)	● (LED lights)
Others	Pan & Tilt / Wide zoom	●/●	—/●*5	—/●*5	—/●*5	EX, AZ: —/● others: —/●*5	—/●*5	—/●*5	—/●*5
	User Interface	Touch Panel	Touch sensor key	Button	Button	Button	Touch sensor key	Button	Button
	Intercom Call	●	●	●	●	—	●	●	—
	Voice Changer	●	● (One touch)	●	●	●	●	●	● (One touch)

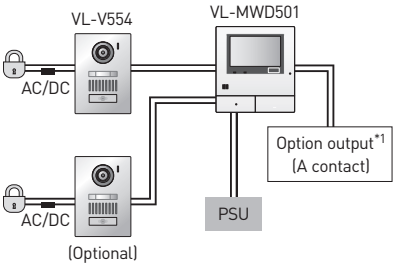
*1 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.
*2 The main monitor must be on the same home wireless network as the mobile device (with the dedicated app installed).
*3 For EU model, When using 3 or 4 electric locks, an additional door station is required. (For VL-SWD501 users, VL-V554 is required to use 3 or 4 electric locks)
*4 When using 2 electric locks, an additional door station is required. (For VL-SWD501 users, VL-V554 is required to use 2 electric locks)
*5 The wide & zoom functions are not available for the included door station, these functions can be used with VL-V554 or VL-V555.

Comparison of the wiring

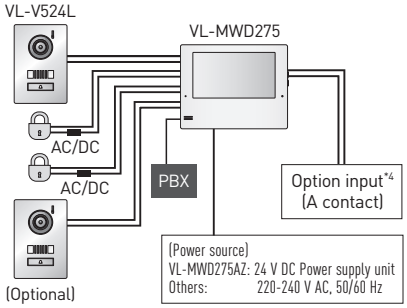
VL-SWD501EX



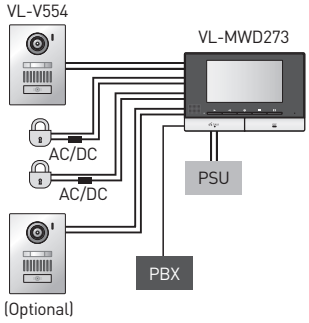
VL-SWD501AZ/BX



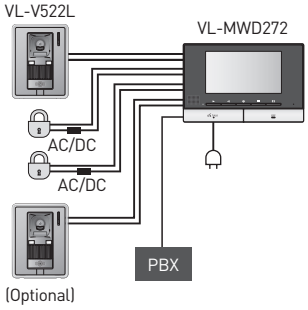
VL-SWD275 AZ/BX/CX/CX1/ML



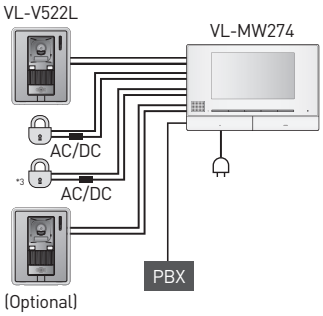
VL-SWD273 AZ
VL-SVD273 AZ



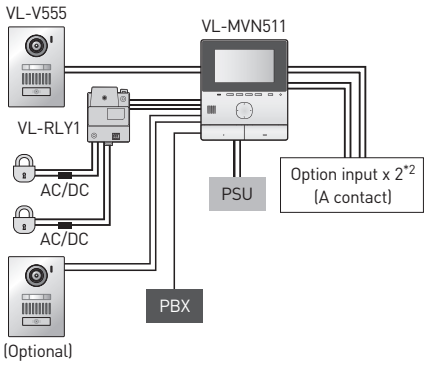
VL-SWD272 AZ/BX/CX/CX1/ML
VL-SVD272 AZ/BX/CX/ML



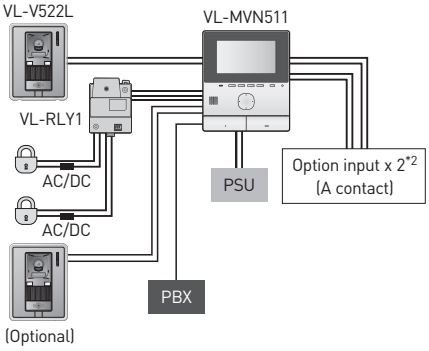
VL-SW274 BX/SX/VN



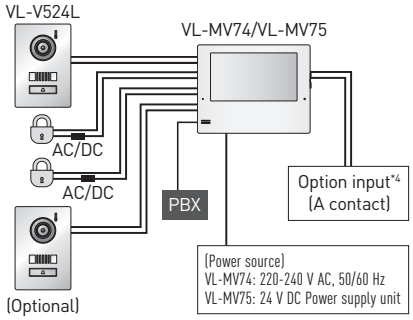
VL-SVN511 EX/AZ



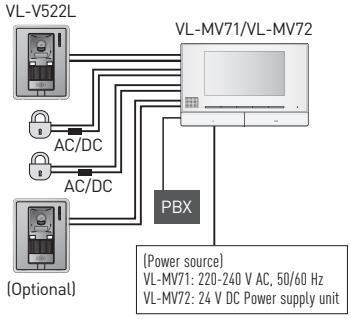
VL-SVN511 BX/CX/CX1/SX/VN



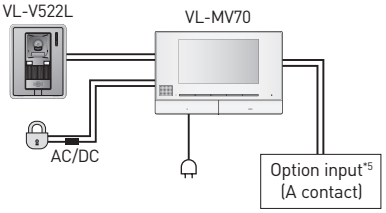
VL-SV74 AZ/BX/CX/CX1/ML/SX/VN
VL-SV75 AZ



VL-SV71 AZ/BX/CX/CX1/ML/SX/VN
VL-SV72 AZ



VL-SV70 BX/CX/CX1/SX/VN



*1 Devices that can be connected to the option output: doorbell light, door chime, rotating light, etc. When using a Lobby Station (VL-V591/V590), the option output is used by the Lobby Station for Electric lock.
*2 Option inputs can be used to connect 2 sensors.
*3 When connecting 2 E-locks, an optional door station is required.
*4 Option input can be used to connect a doorbell. Either Optional Door Station or doorbell can be used.
*5 Option input can be used to connect a doorbell.

: Electric lock

PSU : Power Supply Unit (included with a monitor)

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.)			Extension Monitor (Sub monitor)	DECT Wireless			2.4 GHz Wireless	
				Sensor Camera	Sub Monitor	Repeater	Sub Monitor	Repeater
				VL-WD812	VL-WD613/VL-WD619 2.2-inch	VL-FKD2	VL-W617 1.8-inch	VL-FAN2
	Power source	Display size						
VL-MWD501*8 (VL-SWD501) DECT	VL-PS240*9 VL-PS241	5-inch WVGA colour / Touch Panel	×	○ up to 4	● up to 6 VL-WD613	○ up to 2	×	
VL-MWD275 (VL-SWD275) DECT	AZ: VL-PS241 Others: AC	7-inch WVGA colour	○ up to 3 (*6) VL-MWD275	×	● up to 6 (*6) VL-WD619	○ up to 2	×	
VL-MWD273 (VL-SWD273/SVD273) DECT	VL-PS241	7-inch WVGA colour	○ up to 3 (*6) VL-MWD273	×	VL-SWD273: ● VL-SVD273: ○ up to 6 (*6) VL-WD613	○ up to 2	×	
VL-MWD272 (VL-SWD272/SVD272) DECT	AC	7-inch WVGA colour	○ up to 3 (*6) VL-MWD272	×	VL-SWD272: ● VL-SVD272: ○ up to 6 (*6) VL-WD613	○ up to 2	×	
VL-MW274 (VL-SW274) 2.4 GHz	AC	7-inch WVGA colour	○ up to 3 (*6) VL-MW274	×			● up to 6 (*6)	○ up to 2
VL-MVN511 (VL-SVN511) Smartphone connect	EX: VL-PS240 Others: VL-PS241	5-inch WQVGA colour	×	×	smartphone connect model			
VL-MV75/MV75A (VL-SV75) VL-MV74 (VL-SV74) Wired	VL-MV75: VL-PS241 VL-MV75A: Sold separately VL-MV74: AC	7-inch WVGA colour / Touch Sensor	○ up to 3 VL-MV74/75/75A	×			×	
VL-MV72/MV72A (VL-SV72) VL-MV71 (VL-SV71) Wired	VL-MV72: VL-PS241 VL-MV72A: Sold separately VL-MV71: AC	7-inch WVGA colour	○ up to 3 VL-MV71/72/72A	×			×	
VL-MV70*8 (VL-SV70) Wired	AC	7-inch WVGA colour	×	×			×	
VL-MV26 Wired	VL-PS240	3.5-inch QVGA colour	×	×			×	
VL-MV26A*7 Wired	Power supply unit sold separately*7	3.5-inch QVGA colour	×	×			×	
VL-MV10 Wired	Bus-powered type	3.5-inch QVGA colour	×	×			×	
VL-MN1000*7 Others	PoE or Power supply unit sold separately*7	7-inch WVGA colour / Touch Screen	○ up to 4 VL-MN1000	×			×	

* 1 Wide/zoom settings and zoom position settings are not available.
* 2 Door station LED light illumination settings and backlight compensation settings are not available.
* 3 Outside monitoring using the lobby station is not available.
* 4 The door stations have different resolutions. The image quality may be lower than that of the door station included in the package.
* 5 Electric Lock Release is not available.
* 6 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.
* 7 Power supply unit (VL-PS240, VL-PS2410) are sold separately.
* 8 Monitor (VL-MVN511) is not sold as a single unit in some area. Monitor (VL-MV70) is not sold as a single unit.
* 9 Power supply unit (VL-PS241) is included with VL-SVN511AZ/BX, VL-PS240 is included with VL-SVN511EX, VL-MVN511BX/EX.

Door Station						Lobby Station			
VL-V554/ VL-V554U 1.0 M pixels Aluminium	VL-V555 0.3 M pixels Aluminium	(*1) VL-V524L 1.3 M pixels	(*1) VL-V522L 0.3 M pixels	(*1, *2) VL-V566 0.3 M pixels	IP VL-VN1500 1.3 M pixels	(*1, *2, *3) VL-V591 0.3 M pixels Stainless	Module type VL-VM Series 1.0 M pixels Aluminium	Analogue VL-V901 1.0 M pixels Stainless	IP VL-VN1900 2.0 M pixels Aluminium
●	○(*4, *5)	×	○(*4, *5)	○(*4, *5)	×	○(*4)	○	×	×
○(*4)	○(*4)	●	○(*4)	×	×	○(*4)	○(*4)	○(*4)	×
●	○(*4)	×	○(*4)	×	×	○(*4)	○	○	×
○	○	×	●	×	×	○	○	○	×
×	○	×	●	×	×	○	○	○	×
○	○	×	●	○	×	○	○	○	×
○(*4)	○(*4)	●	○(*4)	×	×	○(*4)	○(*4)	○(*4)	×
○	○	×	●	×	×	○	○	○	×
○	○	×	●	×	×	×	×	×	×
×	×	×	×	×	×	×	×	○	×
×	×	×	×	×	×	×	×	○	×
×	×	×	×	×	×	×	○	×	×
×	×	×	×	×	○	×	×	×	○

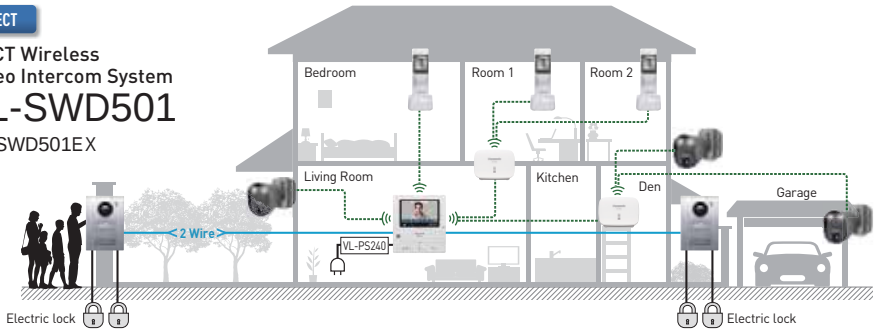
System Configuration Example

DECT

DECT Wireless
Video Intercom System

VL-SWD501

VL-SWD501EX



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

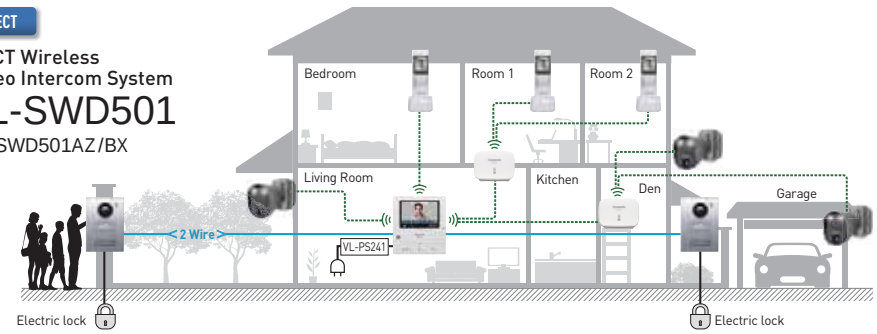
Wireless Sensor Camera
VL-WD812
Up to 4

DECT

DECT Wireless
Video Intercom System

VL-SWD501

VL-SWD501AZ/BX



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

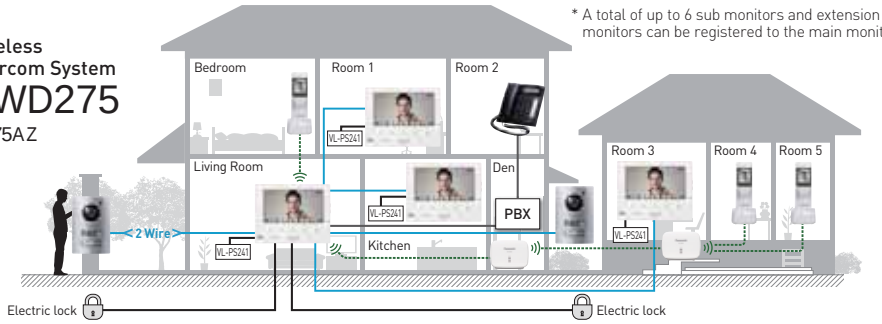
DECT

DECT Wireless
Video Intercom System

VL-SWD275

VL-SWD275AZ

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



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

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

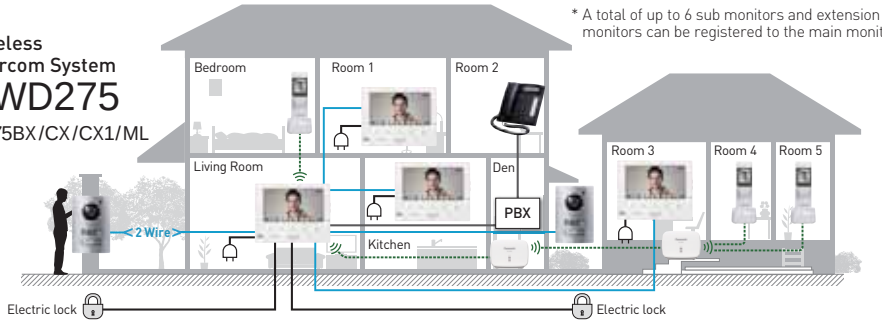
DECT

DECT Wireless
Video Intercom System

VL-SWD275

VL-SWD275BX/CX/CX1/ML

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



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

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

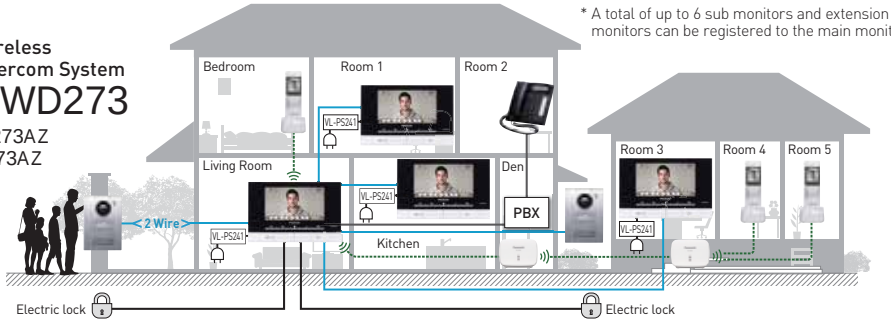
DECT

DECT Wireless
Video Intercom System

VL-SWD273

VL-SWD273AZ
VL-SVD273AZ

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



System Units

Main/Extension Monitor
VL-MWD273
Up to 3*
(not including the main monitor)

Wireless Monitor Station
VL-WD613
Up to 6*

Door Station
VL-V554
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.

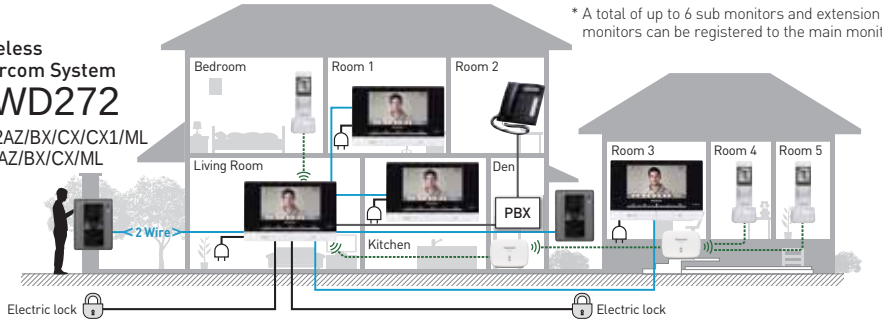
DECT

DECT Wireless
Video Intercom System

VL-SWD272

VL-SWD272AZ/BX/CX/CX1/ML
VL-SVD272AZ/BX/CX/ML

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



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

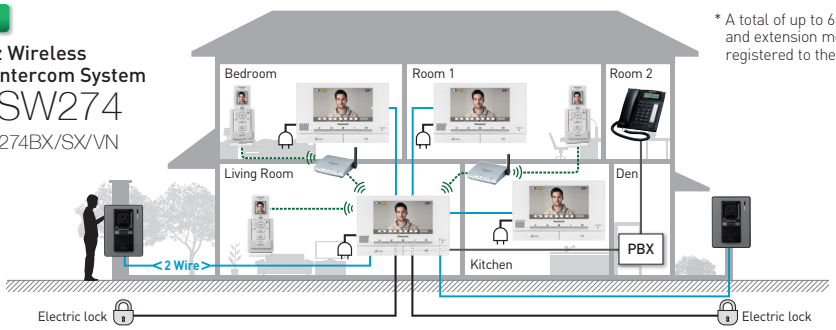
Please consult your dealer when connecting with a PBX.
This image shows the KX-NS500.

2.4 GHz

2.4GHz Wireless Video Intercom System

VL-SW274

VL-SW274BX/SX/VN



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

System Units

Main/Extension Monitor
VL-MW274
Up to 3*
(not including the main monitor)

Wireless Monitor Station
VL-W617
Up to 6*

Door Station
VL-V522L
Up to 2

Repeater for Wireless Monitor
VL-FAN2
Up to 2

Panasonic PBX

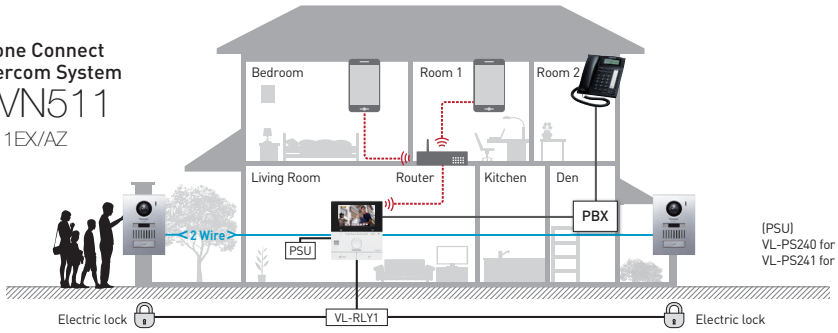
Please consult your dealer when connecting with a PBX.
This image shows the KX-NS500.

Smartphone connect

Smartphone Connect Video Intercom System

VL-SVN511

VL-SVN511EX/AZ



(PSU)
VL-PS240 for VL-SVN511EX
VL-PS241 for VL-SVN511AZ

System Units

Main Monitor Station
VL-MVN511

Door Station
VL-V555
Up to 2

Mobile Devices
Up to 4

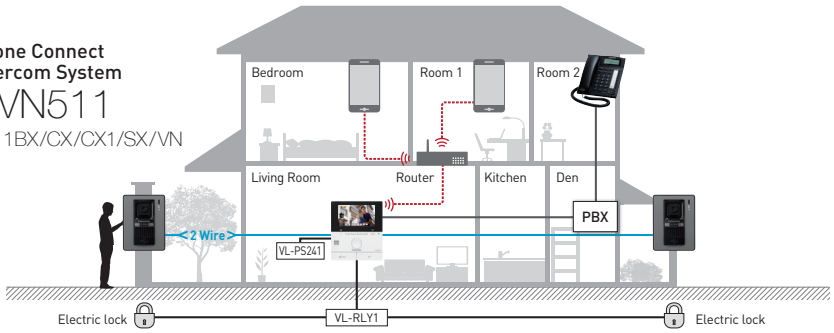
Panasonic PBX
This image shows the KX-NS500.
Please consult your dealer when connecting with a PBX.

Smartphone connect

Smartphone Connect Video Intercom System

VL-SVN511

VL-SVN511BX/CX/CX1/SX/VN



System Units

Main Monitor Station
VL-MVN511

Door Station
VL-V522L
Up to 2

Mobile Devices
Up to 4

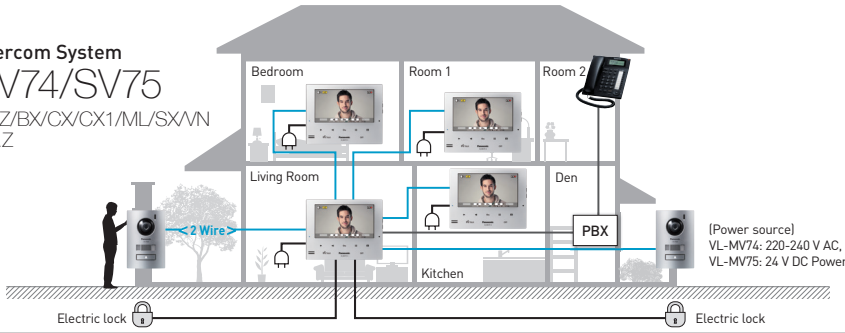
Panasonic PBX
This image shows the KX-NS500.
Please consult your dealer when connecting with a PBX.

Wired

Video Intercom System

VL-SV74/SV75

VL-SV74AZ/BX/CX/CX1/ML/SX/VN
VL-SV75AZ



(Power source)
VL-MV74: 220-240 V AC, 50/60 Hz
VL-MV75: 24 V DC Power supply unit

System Units

Main/Extension Monitor
VL-MV74/MV75
Up to 3*
*not including the main monitor

Door Station
VL-V524L
Up to 2

Panasonic PBX

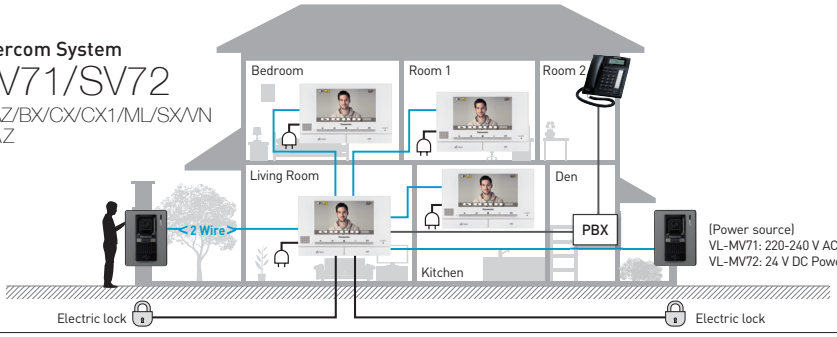
Please consult your dealer when connecting with a PBX.
This image shows the KX-NS500.

Wired

Video Intercom System

VL-SV71/SV72

VL-SV71AZ/BX/CX/CX1/ML/SX/VN
VL-SV72AZ



(Power source)
VL-MV71: 220-240 V AC, 50/60 Hz
VL-MV72: 24 V DC Power supply unit

System Units

Main/Extension Monitor
VL-MV71/MV72
Up to 3*
*not including the main monitor

Door Station
VL-V522L
Up to 2

Panasonic PBX

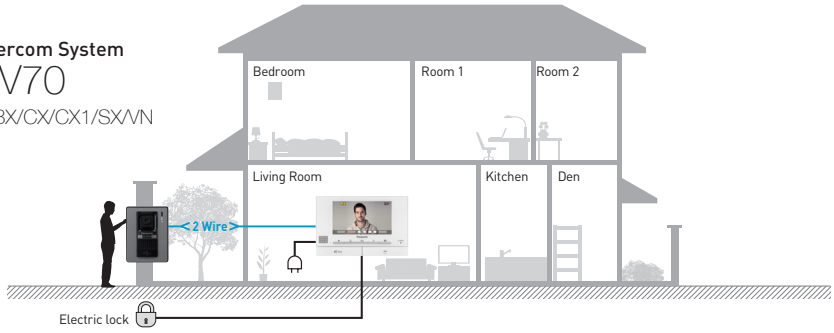
Please consult your dealer when connecting with a PBX.
This image shows the KX-NS500.

Wired

Video Intercom System

VL-SV70

VL-SV70BX/CX/CX1/SX/VN



System Units

Main Monitor Station
VL-MV70

Door Station
VL-V522L
Up to 1

DECT

Stylish Premium DECT Wireless Series

Wireless Video Intercom System

VL-SWD501 EX/AZ/BX

Door Station
VL-V554

Main Monitor Station
VL-MWD501

Wireless Monitor Station
VL-WD613

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

(Power source)
VL-MWD501: 24 V DC Power supply unit (supplied)

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.

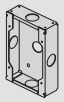
Other Features

- 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 (CMOS 1.0 M pixels)
VL-V555[*2*3] (CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Door Station (Doorphone)
VL-V522L[*2*3*4]
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Wireless Monitor Station
(Sub Monitor)
VL-WD613
Up to 6

Wireless
Sensor Camera
VL-WD812
Up to 4

DECT Wireless
Repeater
VL-FKD2
Up to 2

Lobby Station
Up to 20 Rooms
VL-V591[*4]
Up to 32 Rooms
VL-VM series[*4]

Related Product

Main Monitor Station
(Main Monitor)
VL-MWD501[*4]

*2 Electric Lock Release is not available. The door stations have different resolutions. The image quality may be lower than that of the door station included in the package.
*3 The door stations have different resolutions. The image quality may be lower than that of the door station included in the package. *4 These products may not be available in some countries.

DECT

Expandable DECT Wireless Series

Wireless Video Intercom System

VL-SWD275 AZ/BX/CX/CX1/ML

(Main Monitor: White)

Up to 2

Door Station
VL-V524L

2 Wire*1

Main Monitor Station
VL-MWD275

7-inch Wide Screen

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

Up to 6*2

Wireless Monitor Station
VL-WD619

*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.

(Power source)
VL-MWD275AZ: 24 V DC Power supply unit (supplied)
Other regions: 220-240 V AC, 50/60 Hz

VL-SWD275AZS (Main Monitor: Silver)

This product is available in some countries.

Door Station VL-V524L | Main Monitor Station VL-MWD275 | Wireless Monitor Station VL-WD619

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.

Sophisticated Design

A fully flat thin monitor with touch sensor keys. The doorphone has a gently curved, metallic-looking design that matches the home exterior. Also, the doorphone can be embedded in a wall by using the optional mount box.

(Door Station)

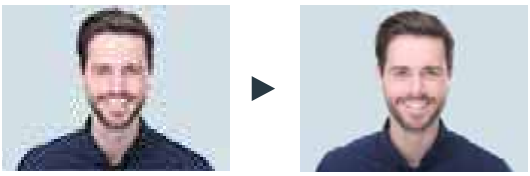
21.5 mm

(Monitor Station)

25 mm

High Image Quality

The 1.3-megapixel image sensor on the doorphone takes visitor images at HD image resolution.



Pictures are simulated.

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)
  These can also be played from the wireless monitor.)
- Intercom Call (between the 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

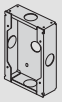
Extension Monitor **VL-MWD275** (White) (Silver)*3 — Up to 3

Door Station (Doorphone) **VL-V524L** (CMOS 1.3 M pixels) — Up to 2

Flush Mount Box for VL-V524L **VL-MB524**

Door Station (Doorphone) **VL-V554***4 (CMOS 1.0 M pixels) **VL-V555***4 (CMOS 0.3 M pixels) — Up to 2

Flush Mount Box for VL-V554/V555 **VL-MB554**



(VL-MB554 included with VL-V554U)

Door Station (Doorphone) **VL-V522L***4 (CMOS 0.3 M pixels) — Up to 2

(Surface mount)

Wireless Monitor Station (Sub Monitor) **VL-WD619** — Up to 6

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

Lobby Station
Up to 20 Rooms **VL-V591**
Up to 32 Rooms **VL-VM series***3
Up to 2,240 Rooms **VL-V901**

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*3 These products may not be available in some countries. *4 The door stations have different resolutions. The image quality may be lower than that of the door station included in the package.

DECT

Expandable DECT Wireless Series

Wireless Video Intercom System

VL-SWD273AZ

VL-SVD273 / VL-SVD272: Wireless monitor sold separately

Wireless Video Intercom System
VL-SWD272AZ

Door Station
VL-V522L

Main Monitor Station
VL-MWD272

Wireless Monitor Station
VL-WD613

Up to 2

2 Wire*1

7-inch Wide Screen

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

Up to 6*2

Door Station
VL-V554

Main Monitor Station
VL-MWD273

Wireless Monitor Station
VL-WD613

(Power source)
VL-MWD273: 24 V DC Power supply unit (supplied)
VL-MWD272: 220-240 V AC, 50/60 Hz

*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.

Total Up to 6

Up to 6

Up to 3

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.

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

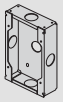
- Electric Lock Release Support : AC30 V-1 A / DC24 V-1 A
- Picture Recording
  (Up to 50 visitors (up to 8 still images per visitor))
- Night Vision (white coloured LED lights)
- Voice Changer
- Intercom Call (between the main monitor, sub monitor and extension monitor)

Options

Extension Monitor*3
VL-MWD273
VL-MWD272
Up to 3

Door Station (Doorphone)
VL-V554 (CMOS 1.0 M pixels)
VL-V555*4 (CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Door Station (Doorphone)
VL-V522L*4
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Wireless Monitor Station (Sub Monitor)
VL-WD613
Up to 6

DECT Wireless Repeater
VL-FKD2
Up to 2

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series
Up to 2,240 Rooms
VL-V901

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*3 (Power source) VL-MWD272: 220-240 V AC, 50/60 Hz
VL-MWD273: 24 V DC Power supply unit (supplied)

*4 The door stations have different resolutions. The image quality may be lower than that of the door station included in the package.

DECT

Expandable DECT Wireless Series

Wireless Video Intercom System

VL-SWD272 AZ/BX/CX/CX1/ML

(Main Monitor: Black)

VL-SVD272: Wireless monitor sold separately

Up to 2

Door Station
VL-V522L

2 Wire*1

7-inch Wide Screen

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

Main Monitor Station
VL-MWD272

Up to 6*2

Wireless Monitor Station
VL-WD613

*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.

(Power source)
VL-MWD272: 220-240 V AC, 50/60 Hz
VL-MWD273: 24 V DC Power supply unit (supplied)

VL-SWD272CXW (Main Monitor: White)

This product is available in some countries.

Door Station
VL-V522L

Main Monitor Station
VL-MWD272

Wireless Monitor Station
VL-WD613

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.

Wireless Handset (DECT)

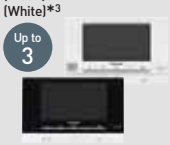
You can use the wireless monitor to check visitors and respond promptly from the living room, kitchen and elsewhere in the home even while you are doing something else. Up to 6 wireless monitors can be connected, and the max wireless range is 100 m with no obstacles. You can also add up to 2 DECT repeaters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

Options

Extension Monitor
VL-MWD272
(Black)
(White)*3
Up to 3

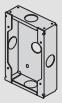


Door Station (Doorphone)
VL-V522L
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Door Station (Doorphone)
VL-V554 (CMOS 1.0 M pixels)
VL-V555 (CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Wireless Monitor Station (Sub Monitor)
VL-WD613
Up to 6

DECT Wireless Repeater
VL-FKD2
Up to 2

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series*3
Up to 2,240 Rooms
VL-V901

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*3 These products may not be available in some countries. (Power source) VL-MWD272: 220-240 V AC, 50/60 Hz
VL-MWD273: 24 V DC Power supply unit (supplied)

2.4 GHz

Expandable 2.4 GHz Wireless Series

Wireless Video Intercom System

VL-SW274 VN

(Main Monitor: White)

Door Station
VL-V522L

Main Monitor Station
VL-MW274

Wireless Monitor Station
VL-W617

*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.

(Power source)
VL-MW274: 220-240 V AC, 50/60 Hz

Highly Expandable

Up to 6 additional monitors can be connected to the main monitor using a combination of 7-inch wired monitors and 1.8-inch wireless monitors (However, the maximum possible number of 7-inch wired monitors is 3). In addition, PBX connectivity is also supported.

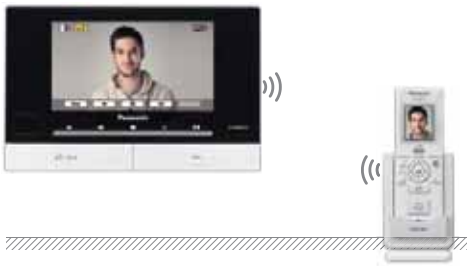
7-inch Screen

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

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.



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)

Options

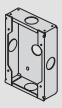
Extension Monitor
VL-MW274
(Black)
(White)
Up to 3

Door Station (Doorphone)
VL-V522L
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Door Station (Doorphone)
VL-V555
(CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V555
VL-MB554



Wireless Monitor Station (Sub Monitor)
VL-W617
Up to 6

2.4GHz Wireless Repeater
VL-FAN2
Up to 2

Lobby Station
Up to 20 Rooms
VL-V591
Up to 2,240 Rooms
VL-V901

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

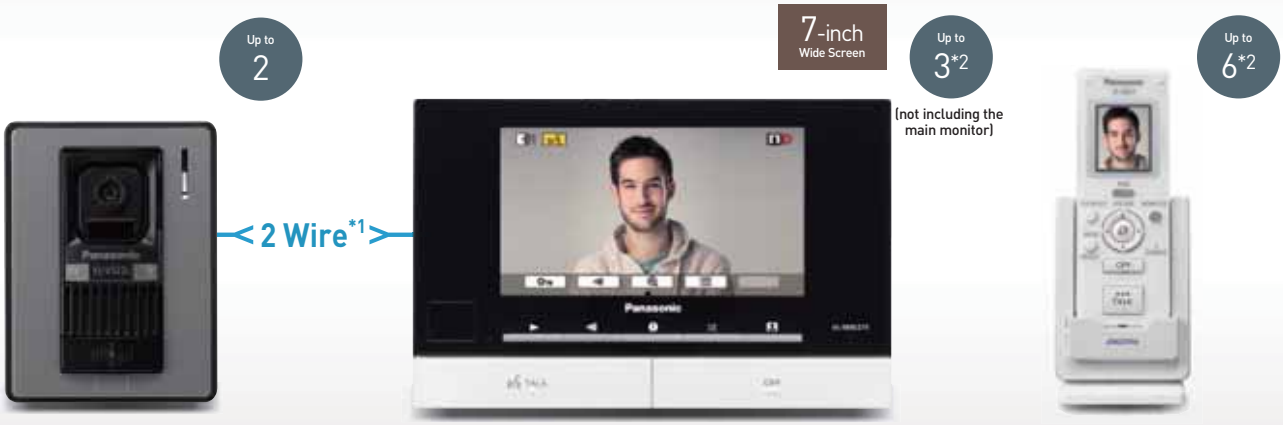
2.4 GHz

Expandable 2.4 GHz Wireless Series

Wireless Video Intercom System

VL-SW274 BX/SX

(Main Monitor: Black)



Door Station
VL-V522L

Main Monitor Station
VL-MW274

Wireless Monitor Station
VL-W617

*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.

(Power source)
VL-MW274: 220-240 V AC, 50/60 Hz

VL-SW274SX-W (Main Monitor: White)

This product may not be available in some countries.

Door Station
VL-V522L

Main Monitor Station
VL-MW274 W

Wireless Monitor Station
VL-W617

Highly Expandable

Up to 6 additional monitors can be connected to the main monitor using a combination of 7-inch wired monitors and 1.8-inch wireless monitors (However, the maximum possible number of 7-inch wired monitors is 3). In addition, PBX connectivity is also supported.

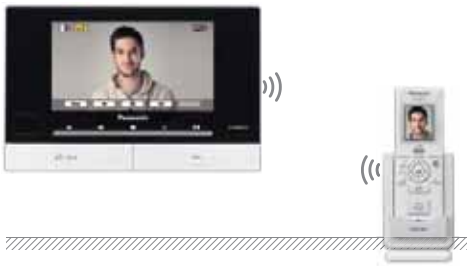
7-inch Screen

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

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.



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)

Options

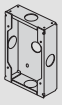
Extension Monitor
VL-MW274
(Black)
(White)*3
Up to 3

Door Station (Doorphone)
VL-V522L
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Door Station (Doorphone)
VL-V555
(CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V555
VL-MB554



Wireless Monitor Station (Sub Monitor)
VL-W617
Up to 6

2.4GHz Wireless Repeater
VL-FAN2
Up to 2

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series*3
Up to 2,240 Rooms
VL-V901

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*3 These products may not be available in some countries.

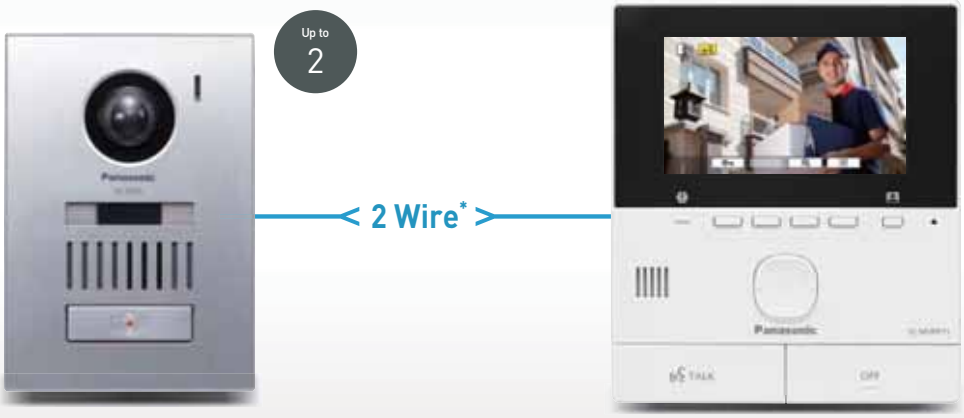
Smartphone connect

Smartphone Connect Series

Video Intercom System

VL-SVN511AZ/EX

5-inch Wide Screen



Door Station
VL-V555

Main Monitor Station
VL-MVN511

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

(Power source)
VL-MVN511: 24 V DC Power supply unit (supplied)

Smartphone Connect*1

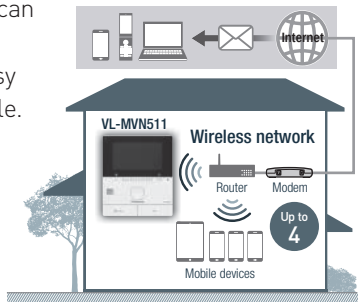
You can use your smartphone or tablet as a sub monitor to respond to visitors and unlock electric locks no matter where you are in the home.
You can also monitor door station images when you want to check the door entrance.

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

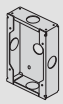
* Some mobile devices may not be compatible.
* For the latest information about the app and compatible devices, visit the following website.

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

Options

Door Station (Doorphone)
VL-V554
(CMOS 1.0 M pixels)
VL-V555
(CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Door Station (Doorphone)
VL-V522L
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series*3
Up to 2,240 Rooms
VL-V901

PBX

This image shows the KX-NS500.

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.

*1 The main monitor must be on the same home wireless network as the 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.
*3 These products may not be available in some countries.

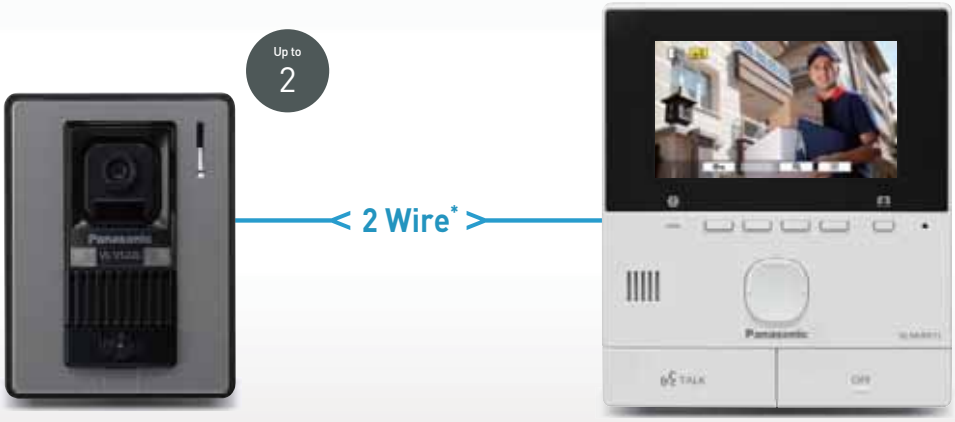
Smartphone connect

Smartphone Connect Series

Video Intercom System

VL-SVN511 BX/CX/CX1/SX/VN

5-inch Wide Screen



Door Station
VL-V522L

Main Monitor Station
VL-MVN511

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

(Power source)
VL-MVN511: 24 V DC Power supply unit (supplied)

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 door station images when you want to check the door entrance.

Answer Visitors and Unlock the Electric Locks

Monitoring

Wireless Network Connection

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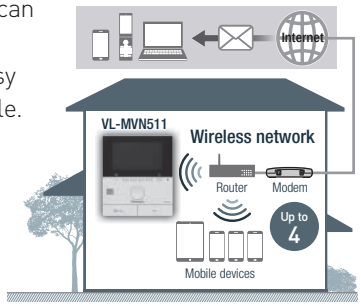

E-mail Notification*2

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- 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/

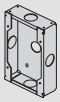
Options

Door Station (Doorphone)
VL-V522L
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Door Station (Doorphone)
VL-V554
(CMOS 1.0 M pixels)
VL-V555
(CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series*3
Up to 2,240 Rooms
VL-V901

PBX

This image shows the KX-NS500.

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.

*1 The main monitor must be on the same home wireless network as the 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.
*3 These products may not be available in some countries.

Wired

Expandable Series

Video Intercom System

VL-SV75 AZ

(Main Monitor: Mirror design)

Colour Lineup

VL-SV75
(Main Monitor: White)

VL-SV75
(Main Monitor: Silver)

Up to 2

2 Wire*1

Up to 3
(not including the main monitor)

7-inch Wide Screen

The pictures have been graphically illustrated to simulate the mirror effect. The operation screen is displayed on the LCD during operation.

Door Station
VL-V524L

Main Monitor Station
VL-MV75 M

(Power source)
VL-MV75AZ: 24 V DC Power supply unit (supplied)
VL-MV75AZA: Power supply unit sold separately

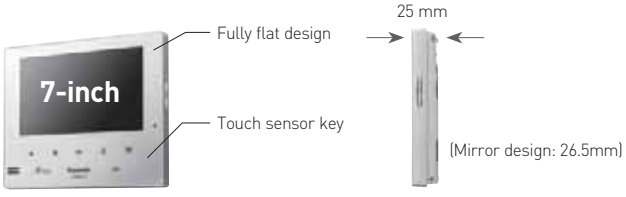
*1 Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.

Sophisticated Design

The doorphone has a gently curved, metallic-looking design that matches the home exterior. Also, the doorphone can be embedded in a wall by using the optional mount box.

Thin Monitor

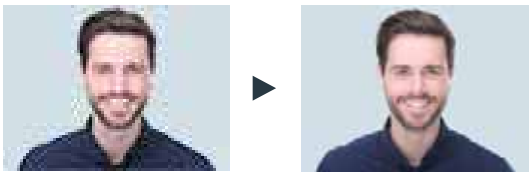
Touch sensor keys are used in the monitor, achieving a fully flat design for our thinnest*2 model yet. You can select from silver or white.



*2 The thinnest intercom with built-in power supply produced by Panasonic.

Improve Image Quality

A 1.3 M pixel image sensor is used in the door station to dramatically improve image quality.



Pictures are simulated.

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)

Options

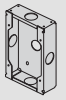
Extension Monitor*3
VL-MV75 S (Silver)
VL-MV75 W (White)
VL-MV75 M (Mirror design)
Up to 3

Door Station (Doorphone)
VL-V524L
(CMOS 1.3 M pixels)
Up to 2

Flush Mount Box for VL-V524L
VL-MB524

Door Station (Doorphone)
VL-V554*4
(CMOS 1.0 M pixels)
VL-V555*4
(CMOS 0.3 M pixels)
Up to 2

Flush Mount Box for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Door Station (Doorphone)
VL-V522L*4
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series
Up to 2,240 Rooms
VL-V901

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*3 (Power source) VL-MV75AZ: 24 V DC Power supply unit (supplied)
VL-MV75AZA: Power supply unit sold separately

*4 The door stations have different resolutions. The image quality may be lower than that of the door station included in the package.

Wired

Expandable Series

Video Intercom System

VL-SV74 AZ/BX/CX/CX1/ML/SX/VN

(Main Monitor: Mirror design)

Colour Lineup

VL-SV74
(Main Monitor: White)

VL-SV74
(Main Monitor: Silver)

Mirror design and White models may not be available in some countries.

Up to 2

2 Wire*1

Up to 3
(not including the main monitor)

7-inch Wide Screen

Door Station
VL-V524L

Main Monitor Station
VL-MV74 M

The pictures have been graphically illustrated to simulate the mirror effect. The operation screen is displayed on the LCD during operation.

(Power source)
VL-MV74: 220-240 V AC, 50/60 Hz

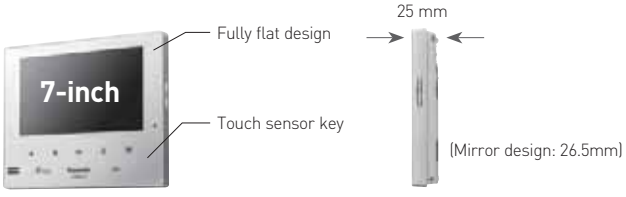
*1 Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.

Sophisticated Design

The doorphone has a gently curved, metallic-looking design that matches the home exterior. Also, the doorphone can be embedded in a wall by using the optional mount box.

Thin Monitor

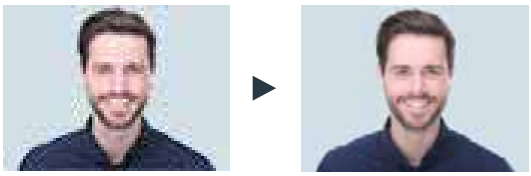
Touch sensor keys are used in the monitor, achieving a fully flat design for our thinnest*2 model yet. You can select from silver or white.



*2 The thinnest intercom with built-in power supply produced by Panasonic.

Improve Image Quality

A 1.3 M pixel image sensor is used in the door station to dramatically improve image quality.



Pictures are simulated.

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)

Options

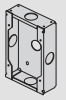
Extension Monitor
VL-MV74 S (Silver)
VL-MV74 W (White)
VL-MV74 M (Mirror design)
Up to 3

Door Station (Doorphone)
VL-V524L
(CMOS 1.3 M pixels)
Up to 2

Flush Mount Box for VL-V524L
VL-MB524

Door Station (Doorphone)
VL-V554*3
(CMOS 1.0 M pixels)
VL-V555*3
(CMOS 0.3 M pixels)
Up to 2

Flush Mount Box for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Door Station (Doorphone)
VL-V522L*3
(CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series
Up to 2,240 Rooms
VL-V901

PBX
Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*3 The door stations have different resolutions. The image quality may be lower than that of the door station included in the package.

Wired

Expandable Series

Video Intercom System

VL-SV72 AZ

Door Station
VL-V522L

Main Monitor Station
VL-MV72

(Power source)
VL-MV72: 24 V DC Power supply unit (supplied)
VL-MV72A: Power supply unit sold separately

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

Highly Expandable

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

Night Vision
(LED Lights)

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.

Equipped with LED lights

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
- Voice Changer
- Intercom Call (between the main monitor and extension monitor)

Options

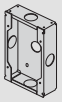
Extension Monitor*2
VL-MV72
VL-MV72A
Up to 3

Door Station (Doorphone)
VL-V522L (CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Door Station (Doorphone)
VL-V554 (CMOS 1.0 M pixels)
VL-V555 (CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series
Up to 2,240 Rooms
VL-V901

PBX

Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

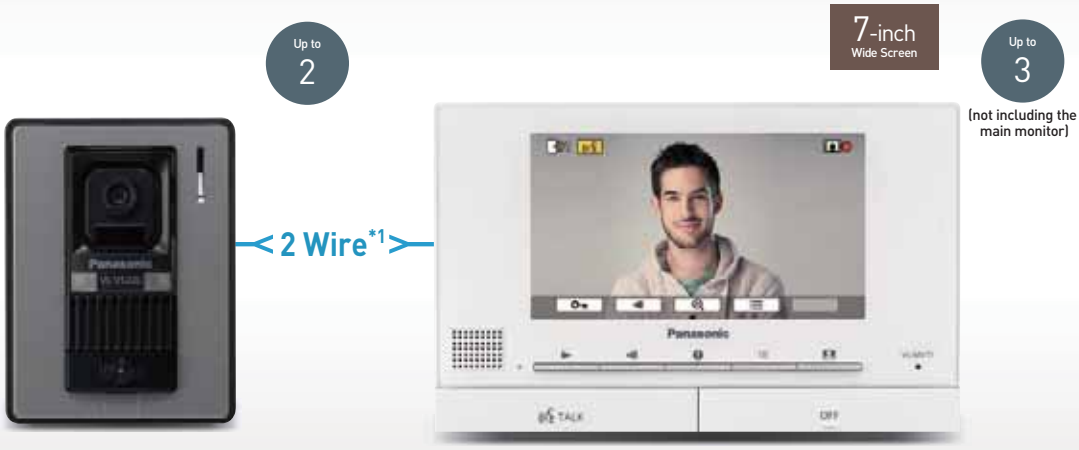
*2 (Power source) VL-MV72: 24 V DC Power supply unit (supplied)
VL-MV72A: Power supply unit sold separately

Wired

Expandable Series

Video Intercom System

VL-SV71 AZ/BX/CX/CX1/ML/SX/VN



Door Station
VL-V522L

Main Monitor Station
VL-MV71

(Power source)
VL-MV71: 220-240 V AC, 50/60 Hz
VL-MV72A: Power supply unit sold separately

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

Highly Expandable

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

Night Vision
(LED Lights)

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.

Equipped with LED lights

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
- Voice Changer
- Intercom Call (between the main monitor and extension monitor)

Options

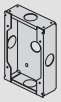
Extension Monitor*2
VL-MV71
VL-MV72A
Up to 3

Door Station (Doorphone)
VL-V522L (CMOS 0.3 M pixels)
Up to 2

(Surface mount)

Door Station (Doorphone)
VL-V554 (CMOS 1.0 M pixels)
VL-V555 (CMOS 0.3 M pixels)
Up to 2

Flush Mount Box
for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

Lobby Station
Up to 20 Rooms
VL-V591
Up to 32 Rooms
VL-VM series*3
Up to 2,240 Rooms
VL-V901

PBX

Connectable PBX Model Numbers
KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

*2 (Power source) VL-MV71: 220-240 V AC, 50/60 Hz
VL-MV72A: Power supply unit sold separately (VL-MV72A may not be available in some countries.)

*3 These products may not be available in some countries.

Wired

Entry Series

Video Intercom System

VL-SV70 BX/CX/CX1/SX/VN

Door Station
VL-V522L

Main Monitor Station
VL-MV70

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

Picture Recording
(4 Consecutive recorded images each)

Four consecutive still images of visitors are automatically recorded. (Up to 50 times, 200 images in total) This ensures that you will see every person visiting your home. Images can also be displayed frame-by-frame.

Night Vision
(LED Lights)

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.

Equipped with LED lights

One-touch Voice Change

This unique safety feature makes the voice heard at the doorphone sound deeper so that a female voice sounds like a male voice. The voice change function can be activated with one touch of a button from the main monitor during an incoming call.

One-touch Operation

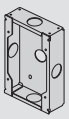
Other Features

- Electric Lock Release Support : AC30 V-1 A / DC24 V-1 A

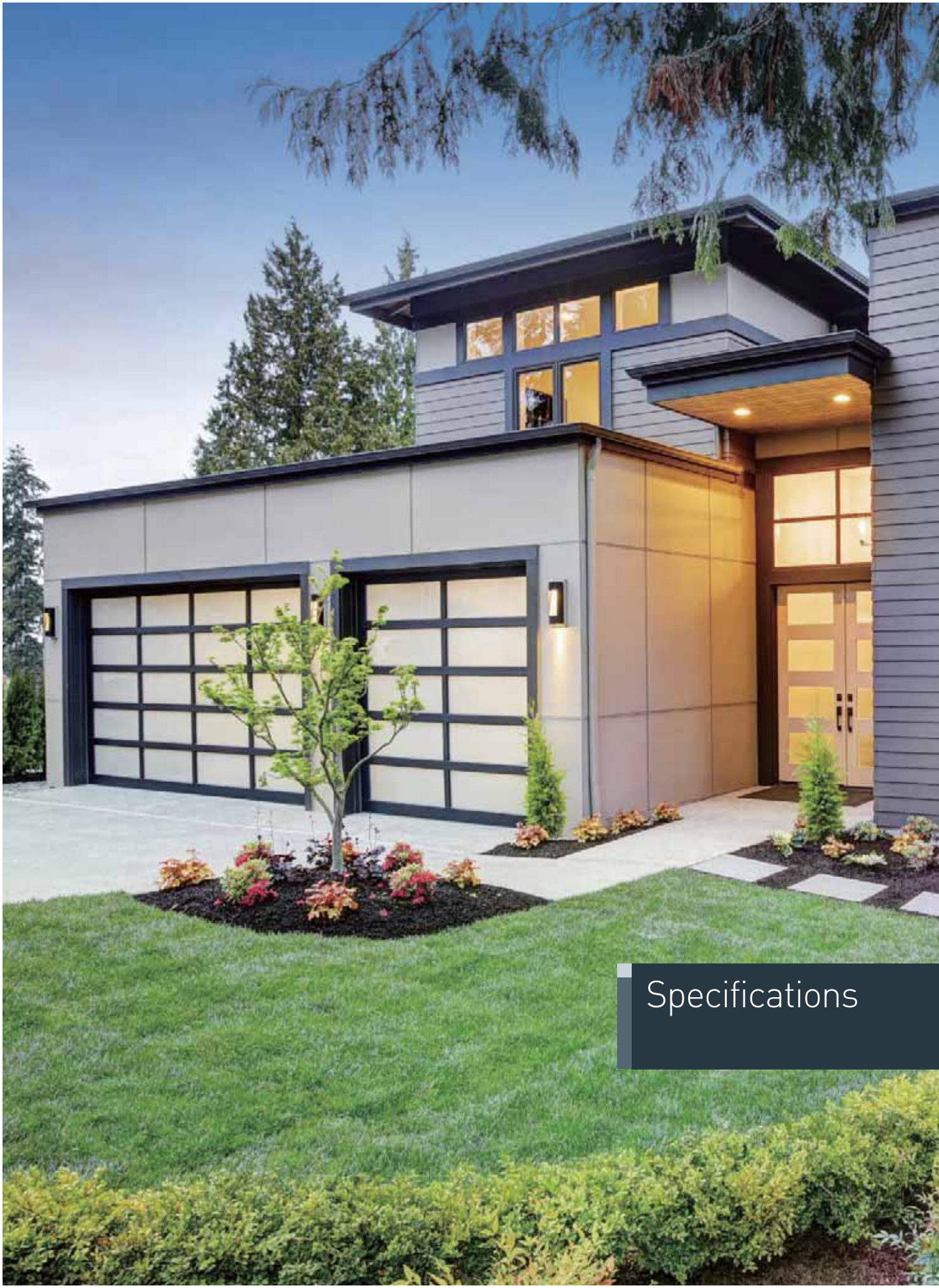
Options

Door Station (Doorphone)
VL-V554 (CMOS 1.0 M pixels)
VL-V555 (CMOS 0.3 M pixels)

Flush Mount Box for VL-V554/V555
VL-MB554



(VL-MB554 included with VL-V554U)

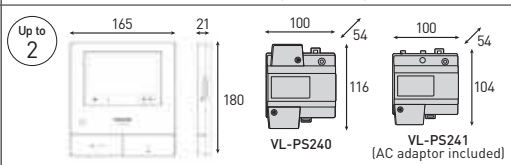
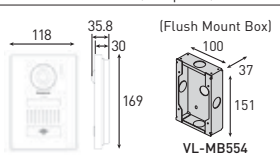
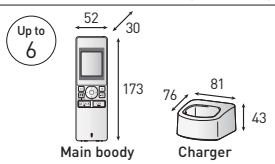


Specifications

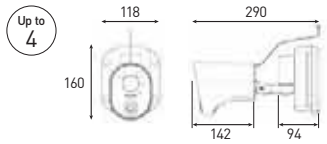
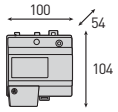
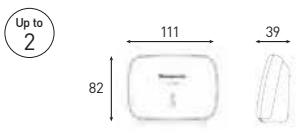
VL-SWD501EX/AZ/BX

■ Model Composition

VL-SWD501	VL-MWD501 x 1	VL-V554 x 1	VL-WD613 x 1
VL-SWD501U	VL-MWD501 x 1	VL-V554 x 1, VL-MB554 x 1	VL-WD613 x 1

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)
Dimensions (Unit: mm)			
Power source	Power supply unit 24 V DC, 0.5 A VL-SWD501EX: VL-PS240 VL-SWD501AZ/BX: VL-PS241	Supplied by the main monitor 20 V DC, 0.23 A	Rechargeable battery AAA (R03) Ni-MH battery (1.2 V, 550 mAh) x 2
Power consumption	Standby: 1.4 W* Operating: 10 W* *Measurement conditions: VL-V554/V554U (1 pc.) is connected to the Main Monitor	—	Standby: 0.6 W* Charging: 1.6 W *When the sub monitor with full-charged batteries is placed on the charger.
Weight	Main monitor: 470 g Power supply unit (VL-PS240): 230 g (VL-PS241): 215 g	VL-V554: 405 g VL-V554U: 345 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 % (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) with touch panel	—	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. 10 mW (average power per channel) 250 mW (max.)	—	Approx. 10 mW (average power per channel) 250 mW (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	—	—	Standby use: Approx. 80 hours *1
Charging time	—	—	Approx. 8 hours *2
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 door station)	—	—
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*3 / Compliant with IK07	—
Installation method	Wall mount (mounting bracket supplied)	VL-V554: surface mount (mounting base supplied) VL-V554U: flush mount (flush mount box supplied)	—
External material	Flame retardant ABS and PS resin	Aluminium and flame retardant resin	ABS resin

Options

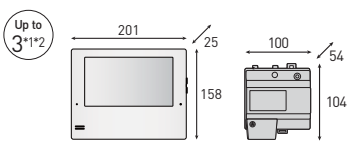
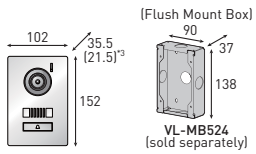
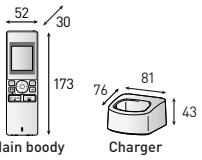
Model number and name	VL-WD812 (For VL-SWD501)		VL-FKD2 (For VL-SWD501 / VL-SWD272)
	Wireless Sensor Camera	Power Supply Unit (VL-PS241)	DECT Repeater
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS241) 24 V DC, 0.4 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	AC adaptor (6.5 V DC, 0.5 A)
Power consumption	Standby: 1.5 W Operating: 4.5 W (when the LED lights are not lit), 8 W (when the LED lights are lit)	—	Standby: 1.5 W Operating: 2.3 W (when transmitting)
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)
Angular field of view (camera angle)	Horizontal: Approx. 53° Vertical: Approx. 41°	—	—
Image sensor	0.3 M pixels CMOS	—	—
Minimum illuminance required	1 lx*4	—	—
Lighting method	2 white coloured LED lights*5	—	—
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*3	—	—
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 When used fully charged in an operating temperature of 20 °C. *2 When the operating temperature is 20 °C. The charging time may increase when the operating temperature is lower than this. *3 Water resistance is only assured if the door station/the camera is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken. Do not install the camera in areas directly exposed to water or rain. *4 The minimum illuminance required when the camera's [Brightness] setting is set to [+3]. *5 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-SWD275AZ

■ Model Composition

VL-SWD275 → VL-MWD275 x 1 — VL-V524L x 1 — VL-WD619 x 1

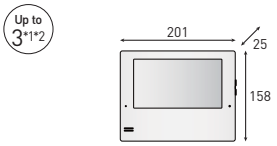
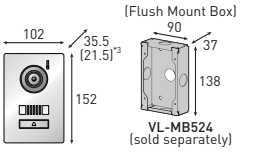
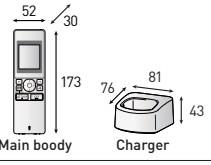
Model number and name	VL-MWD275	VL-V524L	VL-WD619
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)
Dimensions (Unit: mm)	Up to 3*1*2 	Up to 2 	Up to 6*2 
Power source	Power supply unit (VL-PS241) 24 V DC, 0.6 A	Supplied by the main 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: 2.2 W* Operating: 14.0 W* *Measurement conditions: VL-V524L (1 pc.) and VL-WD619 (1pc.) are connected to VL-MWD275.	—	Standby: 0.6 W* Charging: 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. 10 mW (average power per channel) 250 mW (max.)	—	Approx. 10 mW (average power per channel) 250 mW (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	—	—	Standby use: Approx. 80 hours*4
Charging time	—	—	Approx. 8 hours*5
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*6	—
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-SWD275BX/CX/CX1/ML

■ Model Composition

VL-SWD275 → VL-MWD275 x 1 — VL-V524L x 1 — VL-WD619 x 1

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)	Up to 3*1*2 	Up to 2 	Up to 6*2 
Power source	220-240 V AC, 50/60 Hz	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: 2.9 W* Operating: 13.7 W* *Measurement conditions: VL-V524L (1 pc.) and VL-WD619 (1pc.) are connected to VL-MWD275.	—	Standby: 0.6 W* Charging: 1.6 W *When the sub monitor with full-charged batteries is placed on the charger.
Weight	VL-MWD275BX: 705 g*4 VL-MWD275CX/CX1/ML: 760 g*4	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. 10 mW (average power per channel) 250 mW (max.)	—	Approx. 10 mW (average power per channel) 250 mW (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	—	—	Standby use: Approx. 80 hours*5
Charging time	—	—	Approx. 8 hours*6
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*7	—
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 Including AC cable. The weight of the AC cable differs depending on the region. *5 When used fully charged in an operating temperature of 20 °C. *6 When the operating temperature is 20 °C. The charging time may increase when the operating temperature is lower than this. *7 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.

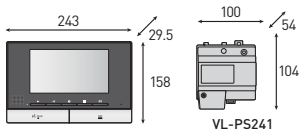
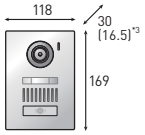
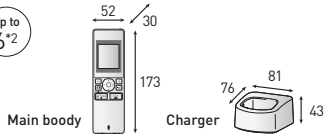
VL-SWD273/VL-SVD273AZ

■ **Model Composition**

VL-SWD273 → **VL-MWD273 x 1** — **VL-V554 x 1** — **VL-WD613 x 1**

VL-SVD273 → **VL-MWD273 x 1** — **VL-V554 x 1**

*VL-SVD273: Wireless monitors sold separately

Model number and name	VL-MWD273 Main Monitor Station (Main monitor) Extension Monitor	VL-V554 Door Station (Doorphone)	VL-WD613 Wireless Monitor Station (Sub monitor)
Dimensions (Unit: mm)	Up to 3*1*2 	Up to 2 	Up to 6*2 
Power source	Power supply unit (VL-PS241) 24 V DC, 0.5 A	Supplied by the main monitor 20 V DC, 0.23 A	Rechargeable battery AAA (R03) Ni-MH battery (1.2 V, 550 mAh) x 2
Power consumption	Standby: 1.8 W* Operating: 11.6 W* *Measurement conditions: VL-V554 (1 pc.) is connected to the Main Monitor	—	Standby: 0.6 W* Operating: 1.6 W* *When the sub monitor with full-charged batteries is placed on the charger.
Weight	710 g	VL-V554: 405 g VL-V554U: 345 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 +50 °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	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. 10 mW (average power per channel) 250 mW (max.)	—	Approx. 10 mW (average power per channel) 250 mW (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	—	—	Standby use: Approx. 80 hours*4
Charging time	—	—	Approx. 8 hours*5
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, Infrared LEDs	—
IP rating / IK rating	—	IP54*6 / Compliant with IK07	—
Installation method	Wall mount (mounting bracket supplied)	surface mount (mounting base supplied)	—
External material	Flame retardant PC+ABS resin, Flame retardant ABS resin	Aluminium and 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.

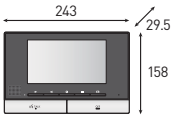
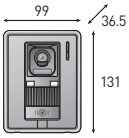
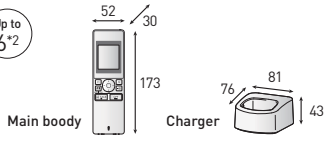
VL-SWD272/VL-SVD272AZ/BX/CX/CX1/ML

■ **Model Composition**

VL-SWD272 → **VL-MWD272 x 1** — **VL-V522L x 1** — **VL-WD613 x 1**

VL-SVD272 → **VL-MWD272 x 1** — **VL-V522L x 1**

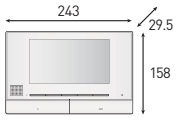
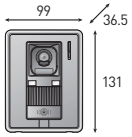
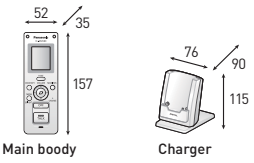
*VL-SVD272: Wireless monitors sold separately

Model number and name	VL-MWD272 Main Monitor Station (Main monitor) Extension Monitor	VL-V522L Door Station (Doorphone)	VL-WD613 Wireless Monitor Station (Sub monitor)
Dimensions (Unit: mm)	Up to 3*1*2 	Up to 2 	Up to 6*2 
Power source	220-240 V AC, 50/60 Hz	Supplied by the main monitor	Rechargeable battery AAA (R03) Ni-MH battery (1.2 V, 550 mAh) x 2
Power consumption	Standby: 2.5 W* Operating: 10 W* *Measurement conditions: VL-V522L (1 pc.) is connected to the Main Monitor	—	Standby: 0.6 W* Operating: 1.6 W* *When the sub monitor with full-charged batteries is placed on the charger.
Weight	VL-MWD272AZ: 835 g*3 VL-MWD272BX/VN: 825 g*3 VL-MWD272CX/CX1/ML: 875 g*3	200 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 % (tested up to -20 °C)	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. 10 mW (average power per channel) 250 mW (max.)	—	Approx. 10 mW (average power per channel) 250 mW (max.)
Transmitting range	—	—	Approx. 100 m (line-of-sight distance between the main and wireless monitor)
Operating time	—	—	Standby use: Approx. 80 hours*4
Charging time	—	—	Approx. 8 hours*5
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*6	—
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

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

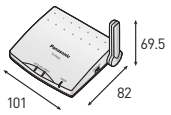
■ Model Composition

VL-SW274 → **VL-MW274 x 1** — **VL-V522L x 1** — **VL-W617 x 1**

Model number and name	VL-MW274	VL-V522L	VL-W617
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)
Dimensions (Unit: mm)	Up to 3*1*2 	Up to 2 	Up to 6*2  Main boody Charger
Power source	220-240 V AC, 50/60 Hz	Supplied by the main monitor	Main body: Ni-MH battery (3.6 V DC / 650 mAh) Charger: AC adaptor (6.5 V DC, 0.5 A)
Power consumption	Standby: 1.9 W* Operating: 10 W* *Measurement conditions: VL-V522L (1 pc.) is connected to the Main Monitor	—	Standby: 0.07 W (when the sub monitor isnot placed in the charger) During charging: 1.8 W
Weight	VL-MW274BX/VN: 825 g*3 VL-MW274SX: 850 g*3	200 g	Main body: 175 g (including the battery) Charger: 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 %
Display	7-inch wide colour / WVGA (800x480 pixels)	—	1.8-inch colour display
Display language	English, Arabic	—	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
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	—	—	Standby use: Approx. 200 hours*4
Charging time	—	—	Approx. 7 hours*5
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*6	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)	—
External material	Flame retardant ABS resin	Flame retardant ABS 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 Including AC cable. The weight of the AC cable differs depending on the region.
*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.

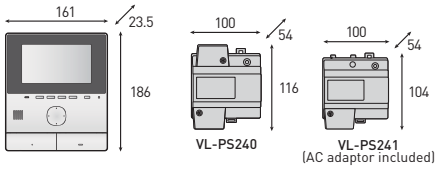
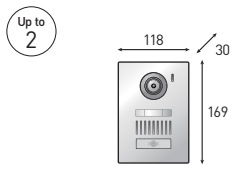
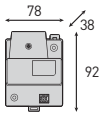
Options

Model number and name	VL-FAN2 (For VL-SW274)
	Optional Repeater for Wireless Monitor
Dimensions (Unit: mm)	Up to 2 
Power source	AC adaptor Output: 6.5 V DC, 0.5 A
Current consumption	Standby: 0.07 A Operating: 0.15 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)
Weight	85 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Frequency range	2.402 GHz to 2.481 GHz
Transmitting range	Approx. 100 m (line-of-sight distance from the main monitor)
Viewing angle	—
Image sensor / camera (pixel)	—
Installation method	—
External material	Flame retardant PS resin

VL-SVN511EX/AZ

■ Model Composition

VL-SVN511 → VL-MVN511 x 1 — VL-V555 x 1 — VL-RLY1

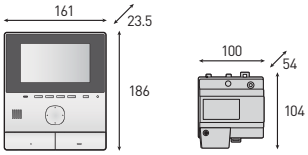
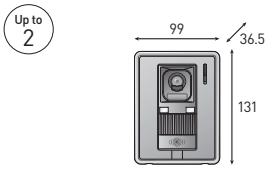
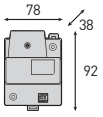
Model number and name	VL-MVN511	VL-V555	VL-RLY1
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Relay Box
Dimensions (Unit: mm)			
Power source	Power supply unit 24 V DC, 0.5 A VL-SVN511EX: VL-PS240 VL-SVN511AZ: VL-PS241	Supplied by the main monitor	Supplied by the main monitor
Power consumption	Standby: 1.8 W* Operating: 10 W* *Measurement conditions: VL-V555 (1 pc.) is connected to the Main Monitor	—	—
Weight	Main monitor: 485 g Power supply unit (VL-PS240): 230 g (VL-PS241): 215 g	395 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 +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*1 / Compliant with IK07	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied) or Flush mount (flush mount box sold separately))	Wall mount or attach to DIN rail
External material	Flame retardant ABS and PS resin	Aluminium and flame retardant PC+PS resin	Flame retardant ABS resin

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

VL-SVN511BX/CX/CX1/SX/VN

■ Model Composition

VL-SVN511 → VL-MVN511 x 1 — VL-V522L x 1 — VL-RLY1

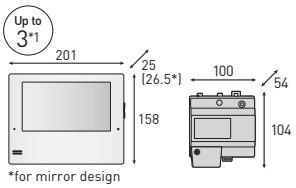
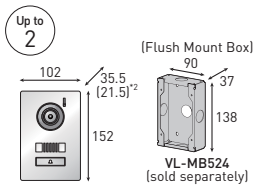
Model number and name	VL-MVN511	VL-V522L	VL-RLY1
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Relay Box
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS241) 24 V DC, 0.5 A	Supplied by the main monitor	Supplied by the main monitor
Power consumption	Standby: 1.8 W* Operating: 10 W* *Measurement conditions: VL-V522L (1 pc.) is connected to the Main Monitor	—	—
Weight	Main monitor: 485 g Power supply unit (VL-PS241): 215 g	200 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 +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. 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
External material	Flame retardant ABS and PS resin	Flame retardant ABS resin	Flame retardant ABS resin

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

VL-SV75AZ

■ Model Composition

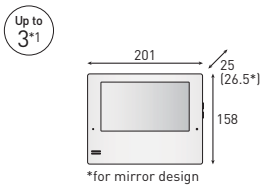
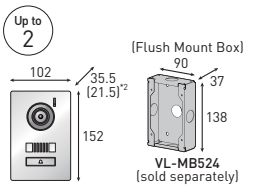
VL-SV75 → VL-MV75 x 1 — VL-V524L x 1

Model number and name	VL-MV75-S (Silver), VL-MV75-W (White), VL-MV75-M (Mirror design) Main Monitor Station (Main monitor) Extension Monitor	VL-V524L Door Station (Doorphone)
Dimensions (Unit: mm)		
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	Main monitor: White/Silver: 605 g, Mirror design: 650 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*4
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-SV74AZ/BX/CX/CX1/ML/SX/VN

■ Model Composition

VL-SV74 → VL-MV74 x 1 — VL-V524L x 1

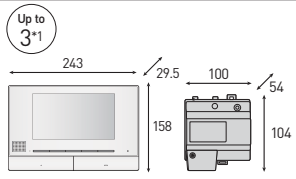
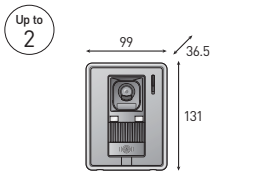
VL-MV74-S (Silver), VL-MV74-W (White), VL-MV74-M (Mirror design) Main Monitor Station (Main monitor) Extension Monitor	VL-V524L Door Station (Doorphone)
	
220-240 V AC, 50/60 Hz	Supplied by the main monitor
Standby: 2.3 W* Operating: 11.3 W* *Measurement conditions: VL-V524L (1 pc.) is connected to the Main Monitor	—
(White/Silver)*3 AZ: 715 g, BX/VN: 705 g, CX/ML: 760 g, SX: 730 g (Mirror design)*3 AZ: 755 g, BX/VN: 745 g, CX: 800 g, SX: 770 g	225 g
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 %
7-inch wide colour / WVGA (800x480 pixels)	—
English, Arabic	—
Hands-free	—
—	Horizontally: Approx. 85° Vertically: Approx. 54°
—	1/3 inch CMOS sensor / Approx. 1.3 M pixels
—	1 lx (within approx. 50 cm from the camera lens)
—	LED lights
—	IP44*4
Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied) Flush mount (mount box sold separately)
Flame retardant ABS resin	Flame retardant resin

*1 Not including the main monitor.
*2 Excluding sections embedded into the wall.
*3 Including AC cable. The weight of the AC cable differs depending on the region.
*4 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-SV72AZ

■ Model Composition

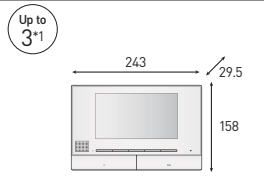
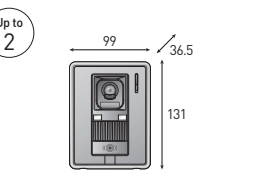
VL-SV72 → VL-MV72 x 1 — VL-V522L x 1

Model number and name	VL-MV72 Main Monitor Station (Main monitor) Extension Monitor	VL-V522L Door Station (Doorphone)
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS241) 24 V DC, 0.4 A	Supplied by the main monitor
Power consumption	Standby: 1.6 W* Operating: 9.8 W* *Measurement conditions: VL-V522L (1 pc.) is connected to the Main Monitor	—
Weight	Main monitor: 710 g Power supply unit (VL-PS241): 215 g	200 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)
Display	7-inch wide colour / WVGA (800 x 480 pixels)	—
Display language	English, Arabic	—
Talking method	Hands-free	Hands-free
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

VL-SV71AZ/BX/CX/CX1/ML/SX/VN

■ Model Composition

VL-SV71 → VL-MV71 x 1 — VL-V522L x 1

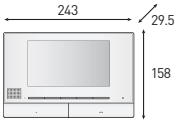
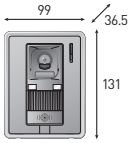
VL-MV71 Main Monitor Station (Main monitor) Extension Monitor	VL-V522L Door Station (Doorphone)
	
220-240 V AC, 50/60 Hz	Supplied by the main monitor
Standby: 2.0 W* Operating: 10.5 W* *Measurement conditions: VL-V522L (1 pc.) is connected to the Main Monitor	—
VL-MV71AZ: 835 g*2 VL-MV71BX/VN: 825 g*2 VL-MV71CX/CX1/ML: 875 g*2 VL-MV71SX: 850 g*2	200 g
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)
7-inch wide colour / WVGA (800x480 pixels)	—
English, Arabic	—
Hands-free	Hands-free
—	Horizontally: Approx. 87° Vertically: Approx. 66°
—	CMOS sensor (Approx. 0.3 M pixels)
—	1 lx (within approx. 50 cm from the camera lens)
—	Warm white coloured LED lights, Infrared LEDs
—	IPX3*3
Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)
Flame retardant ABS resin	Flame retardant ABS resin

*1 Not including the main monitor.
*2 Including AC cable. The weight of the AC cable differs depending on the region.
*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-SV70BX/CX/CX1/SX/VN

■ Model Composition

VL-SV70 → VL-MV70 x 1 – VL-V522L x 1

Model number and name	VL-MV70	VL-V522L
	Main Monitor Station (Main monitor)	Door Station (Doorphone)
Dimensions (Unit: mm)		Up to 1 
Power source	220-240 V AC, 50/60 Hz	Supplied by the main monitor
Power consumption	Standby: 2.0 W Operating: 10.5 W	—
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	131 x 99 x 36.5 mm
Weight	VL-MV70BX/VN: 760 g*1 VL-MV70CX/CX1: 810 g*1 VL-MV70SX: 780 g*1	200 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)
Display	7-inch wide colour / WVGA (800x480 pixels)	—
Display language	English, Arabic, Vietnamese	—
Talking method	Hands-free	Hands-free
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. 50cm from the camera lens)
Lighting method	—	Warm white coloured LED lights, Infrared LEDs
IP rating / IK rating	—	IPX3*2
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)
External material	Flame retardant ABS resin	Flame retardant ABS resin

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

Video Intercom for Apartment Complexes

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
- **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, compliant with IK07
- Phonebook (Room-No., Resident's names)
- Theft detection buzzer
- Lift integration*

* A third-party lift controller is required for lift integration. Lift controllers are not available in some areas. For more information, consult your dealer.

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 (emergency/urgency button and other sensors) and 1 doorbell 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: 20 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

* Consult your certified Panasonic dealer for more information.
For the latest compatible IP cameras and SIP Phones, visit http://panasonic.net/pcc/support/intercom/.

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 113° degrees (horizontal), 69° degrees (vertical)
  - 1.3 M pixels provide a clear image
- **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.

*** Includes setup tool for mass configuration of 2000 devices**

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 all rooms

Other Features

- E-mail notification*
  Even if the guard is out, voice mails from residents to the guard station (SIP Phone) can be forwarded via e-mail, enabling quick access to important voice mail

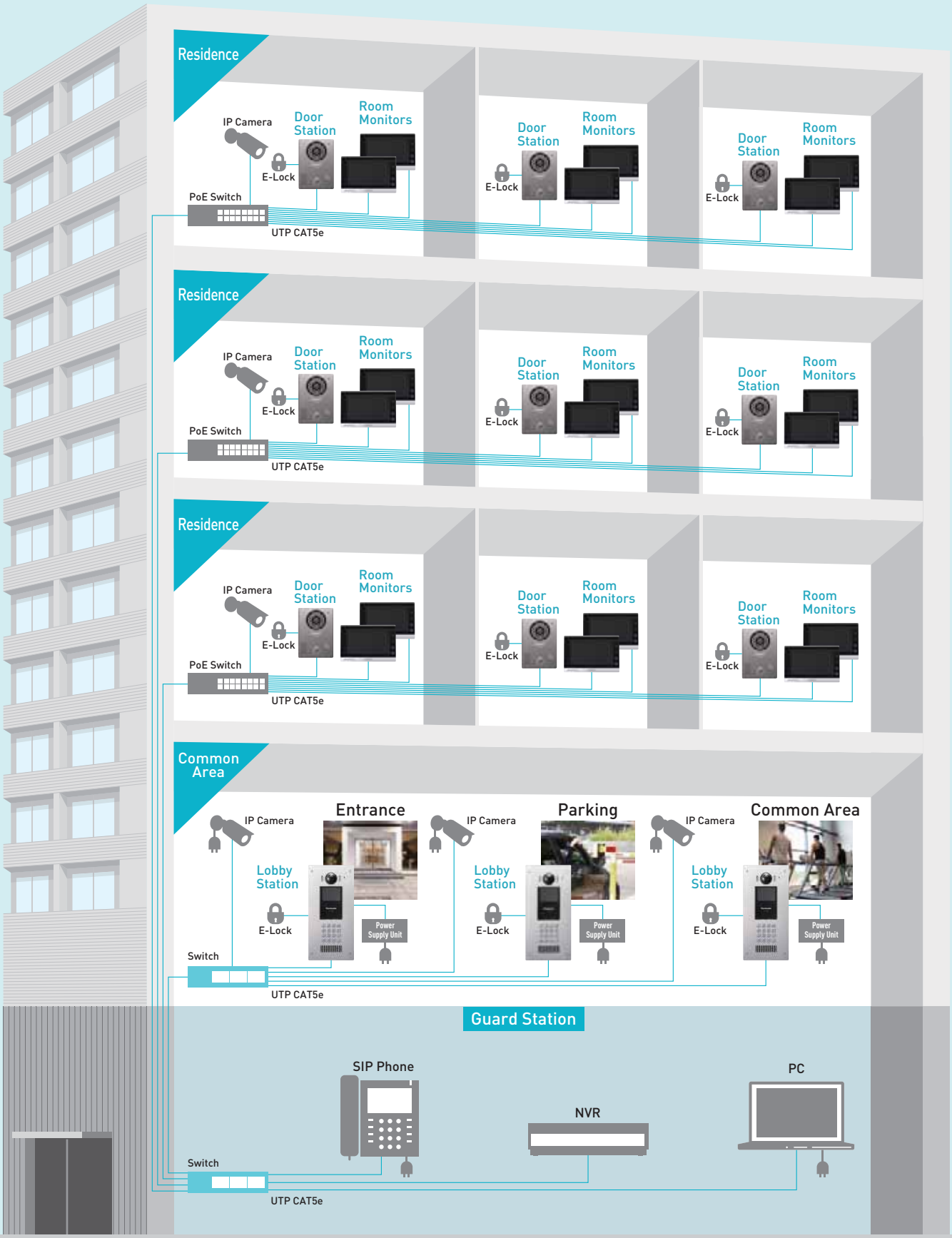
* an internet connection are required.

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



* E-lock for Door Station requires Relay Box (Sold separately. Model-No. VL-RLY1)

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

FUNCTION

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

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
- **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, compliant with IK07
- Phonebook (Room-No., Resident's names)
- Theft detection buzzer
- Lift integration*

* A third-party lift controller is required for lift integration. Lift controllers are not available in some areas. For more information, consult your dealer.

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 (emergency/urgency button and other sensors) and 1 doorbell 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: 20 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

* Consult your certified Panasonic dealer for more information.
For the latest compatible IP cameras and SIP Phones, visit http://panasonic.net/pcc/support/intercom/.

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 113° degrees (horizontal), 69° degrees (vertical)
  - 1.3 M pixels provide a clear image
- **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-VN1800

Supports up to 2000 SIP devices. Up to 5 control boxes (up to 10000 SIP devices) can be supports on a system.

*** Includes setup tool for mass configuration.**

Main Features

- **Embedded SIP server**
  - Supports 2000 SIP devices (Lobby Station, Door Station, Room Monitor and Panasonic SIP Phone)
- **Mobile Remote**
  - Remote visitor answering while checking visitor's live image

Other Features

- Voice mail
  Voice mails can be issued by the SIP Phone to each room or all rooms
- E-mail notification*
  Even if the guard is out, voice mails from residents to the guard station (SIP Phone) can be forwarded via e-mail

* an internet connection are required.

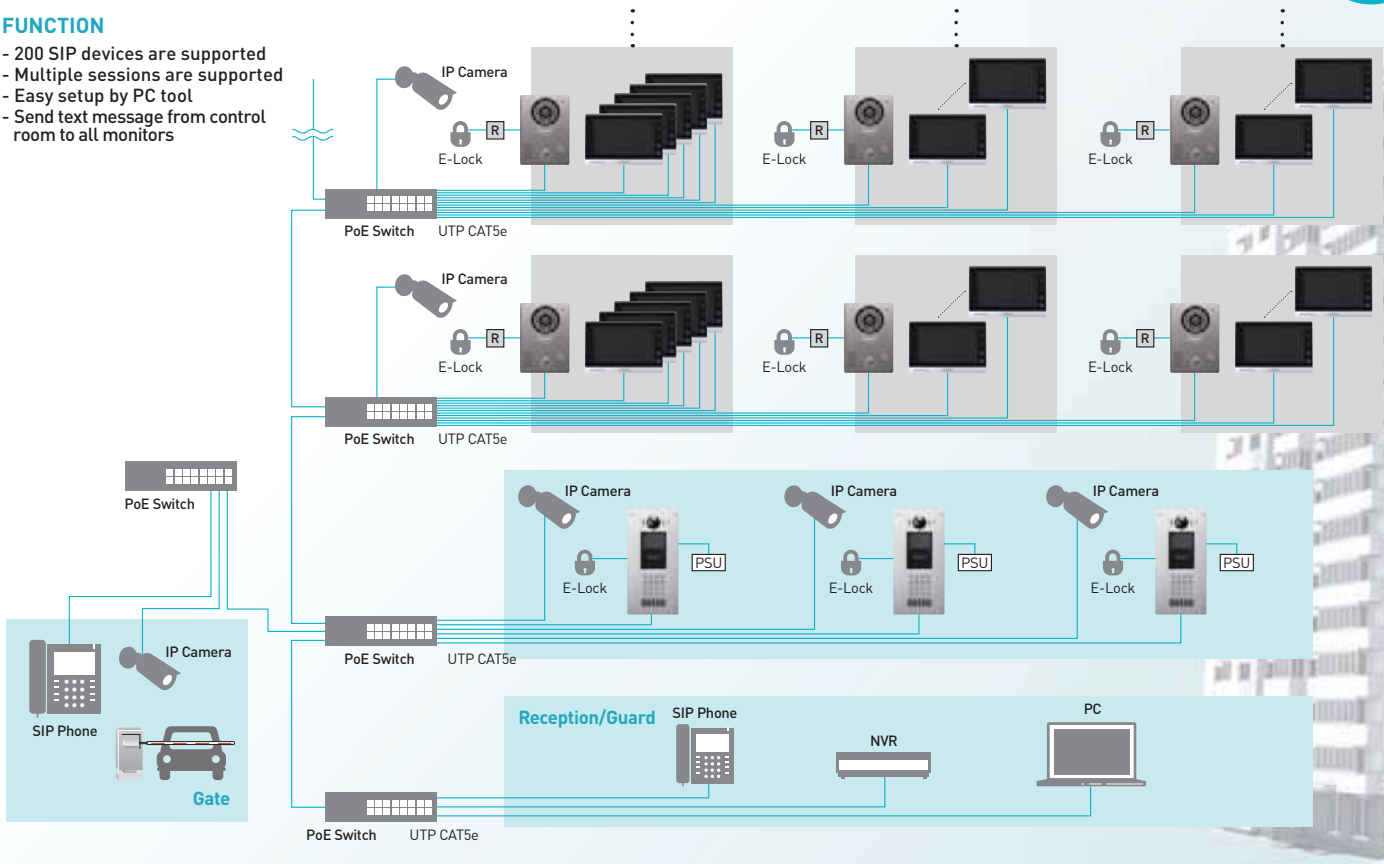
System Diagram of the IP Apartment System

Up to 200 SIP devices

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

FUNCTION

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

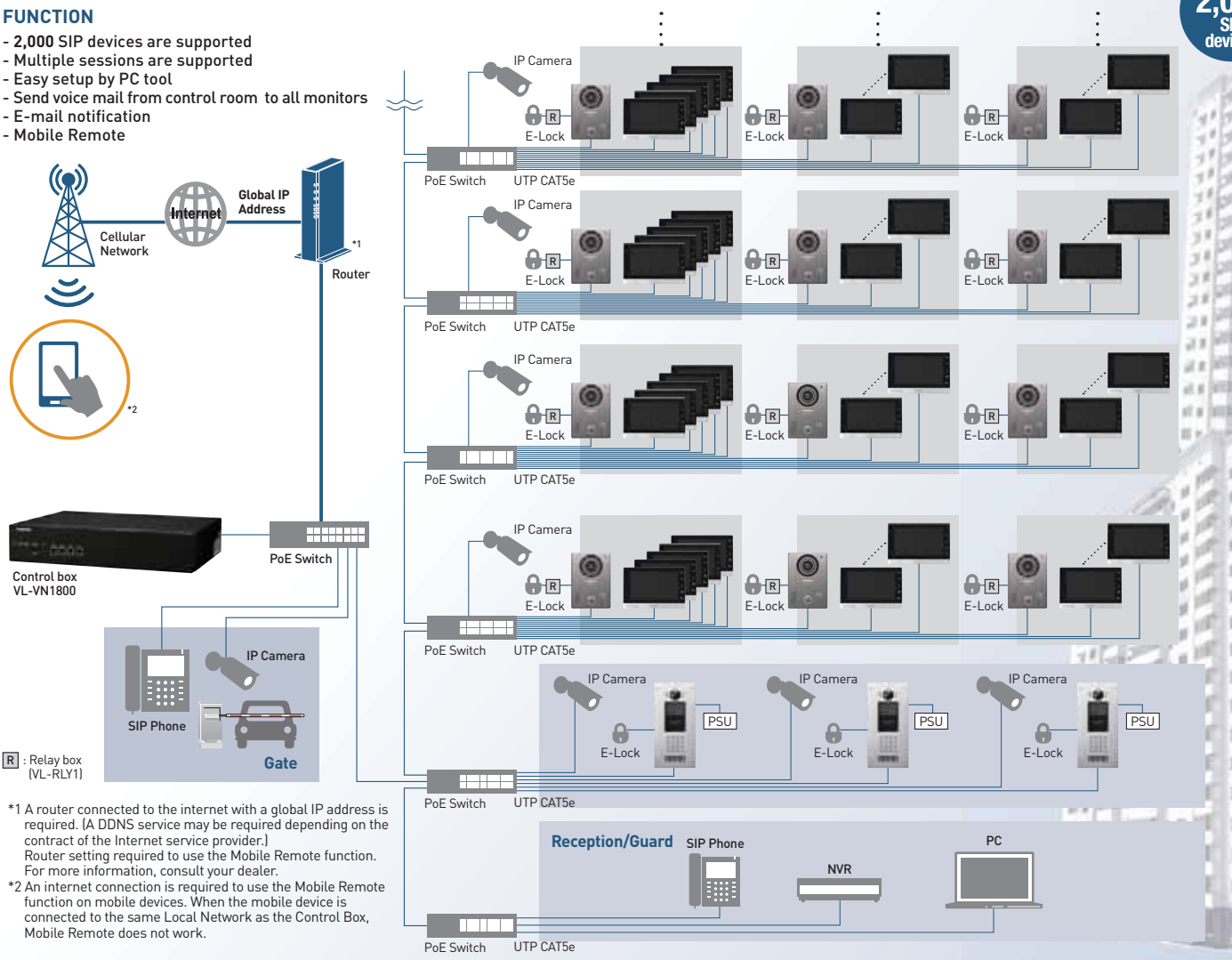


Support up to 2,000 devices on a system with a Control Box

Up to 2,000 SIP devices

FUNCTION

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



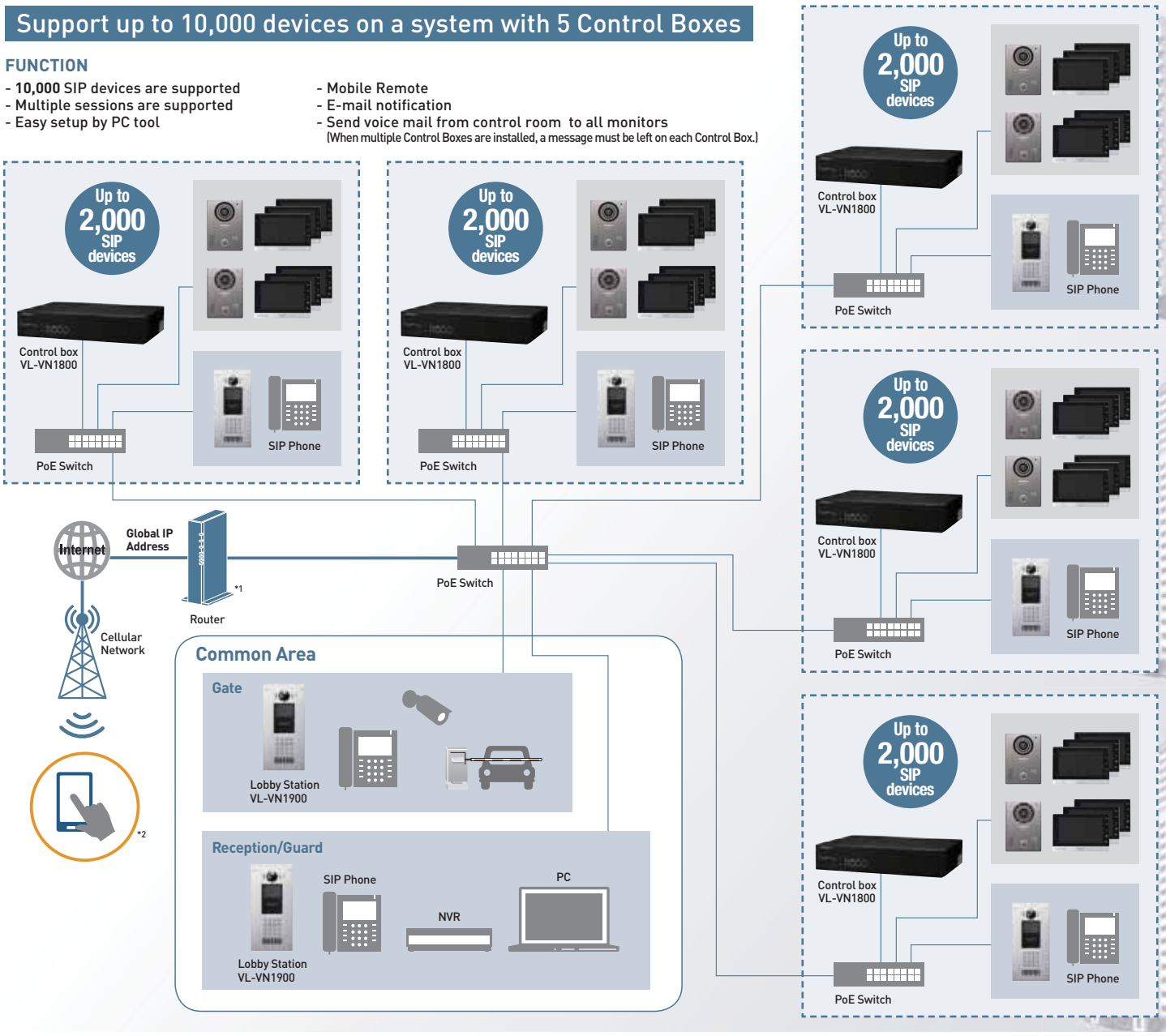
*1 A router connected to the internet with a global IP address is required. (A DDNS service may be required depending on the contract of the Internet service provider.)
Router setting required to use the Mobile Remote function. For more information, consult your dealer.

*2 An internet connection is required to use the Mobile Remote function on mobile devices. When the mobile device is connected to the same Local Network as the Control Box, Mobile Remote does not work.

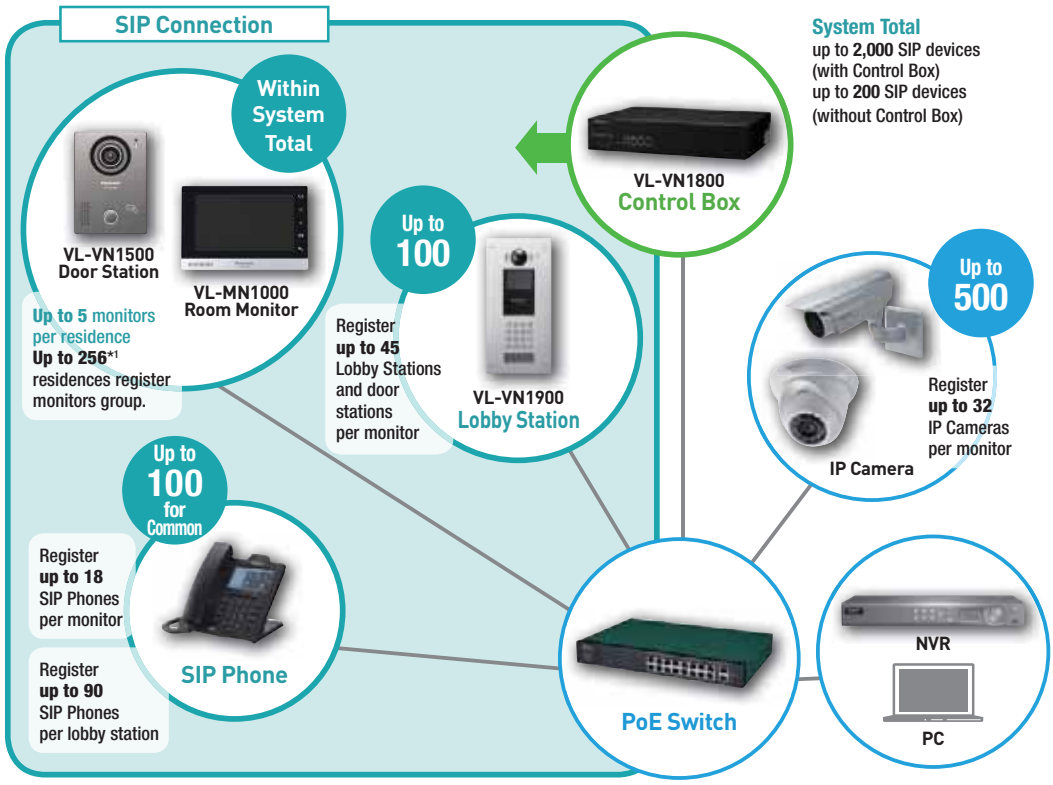
Support up to 10,000 devices on a system with 5 Control Boxes

FUNCTION

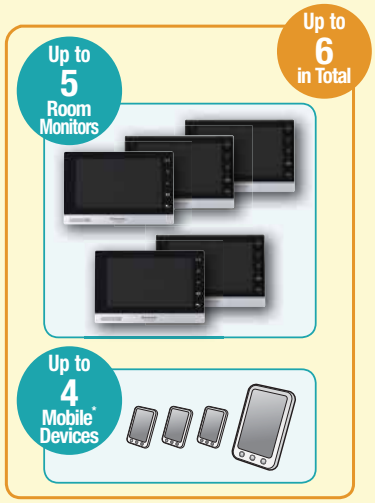
- **10,000** SIP devices are supported
- Multiple sessions are supported
- Easy setup by PC tool
- Mobile Remote
- E-mail notification
- Send voice mail from control room to all monitors
  (When multiple Control Boxes are installed, a message must be left on each Control Box.)



Maximum connectable number of devices per Control Box



Maximum connectable number of monitors per Residence



*Compatible mobile devices: iPhone 5s and later, iPad Air and later (iOS 10 and later) / Android™ devices (Android 4.4 and later), as of June 2019
Up to 4 mobile devices can be registered per residence (room number). (Up to 4 mobile devices can be counted as 1 SIP device.)
In order to use the Mobile Remote app on your mobile devices, you must register them in the Control Box through the room monitor.
For information about downloading and installing the app, please visit https://panasonic.net/cns/pcc/support/intercom/

IP Video Intercom System
for Apartment Complexes

Mobile Intercom*1

The Video Intercom function can be used on your mobile devices without a Room monitor, both inside and outside home.
(Activation Keys are required.)

- Answer visitors while checking visitor's live image
- Push message with visitor's image
- Release the electric lock while talking
- Allow visitors to enter the lobby and lift*2
- Monitor cameras (lobby stations, door stations, IP cameras)
- Answer the call while viewing images from the IP camera when receiving a call from the SIP phone linked to the IP camera
- View history logs in chat form (incoming calls)
- Call to SIP phone (guard station, reception, etc.)

Full IP system

A pure IP system
The Door Station supports PoE (IEEE 802.3af compliant)

Supports large apartment systems

Up to 2,000 SIP devices on a system
Up to 10,000 SIP devices on a system (up to 5 Control Boxes on a system)

Easy installation, convenient maintenance

System settings can be configured in advance using a PC, and uploaded on-site over the network. Detailed settings can be accessed using a web browser.

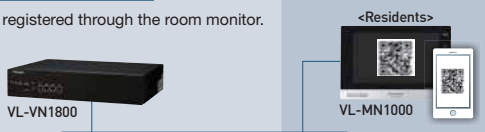
Noticeboard

Facility staff can send messages (image file) from the utility tool on a PC to the noticeboard of the residents' monitors (room monitors/ mobile devices) for quick information dispersal.

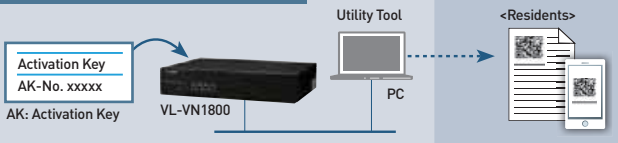
Registration of mobile devices

For residents WITH room monitor

Mobile devices can be registered through the room monitor.



For residents WITHOUT room monitor



- Mobile devices can be activated by registering the AKs to the system.
- Up to 2 Mobile devices can be activated per 1 AK. VL-AKA005 (Set of 5 AKs) sold separately.

*1 Mobile Intercom is a trademark of Panasonic Corporation. When the system is composed of VL-VN1800 control boxes, the functions can be performed by installing the Video Intercom System App on a mobile device. Compatible mobile devices: iPhone 5s and later, iPad Air and later (iOS 10 and later) / Android™ devices (Android 4.4 and later), as of June 2019. Some mobile devices may not be compatible. Supported languages: English, Vietnamese and Indonesian.

*2 A third-party lift controller is required for lift integration. Lift controllers are not available in some areas. For more information about lift controllers and their installation, consult your dealer.

Control Box
VL-VN1800

Lobby Station
VL-VN1900

PoE supported
Door Station
VL-VN1500

PoE supported
Room Monitor
VL-MN1000

Get the App "Video Intercom System"

GET IT ON Google Play

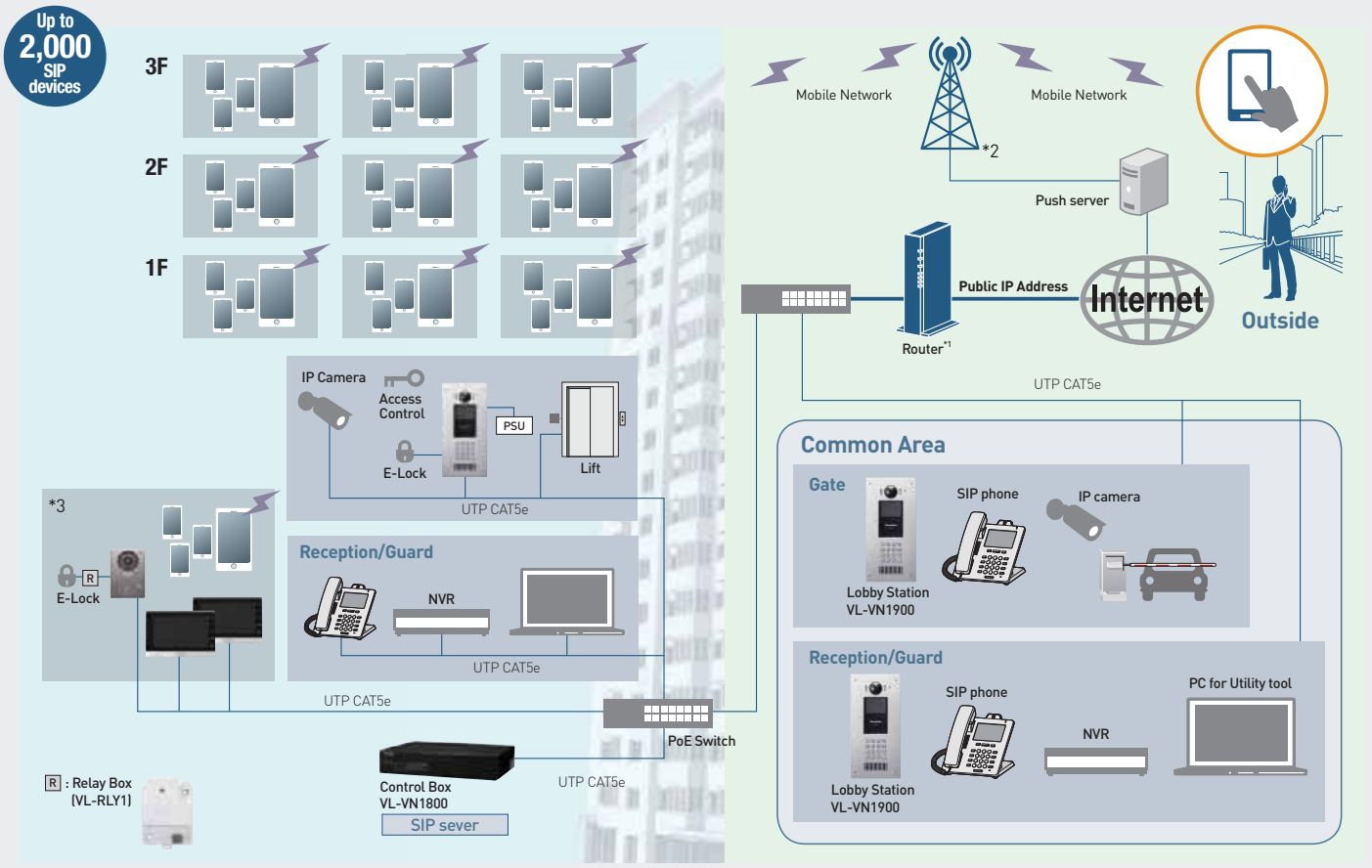
Download on the App Store

Panasonic

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

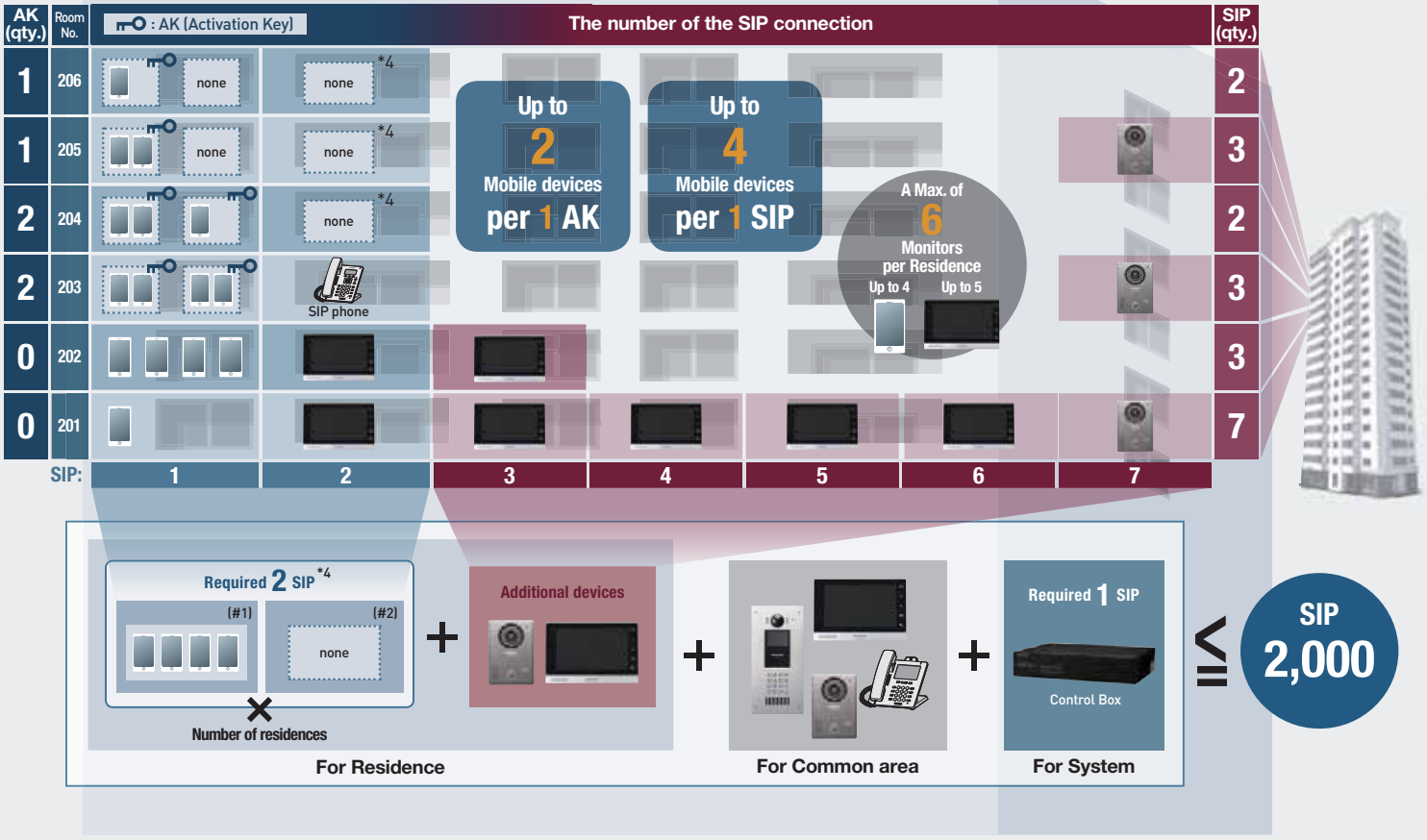
Internet connection is required

Up to 5 control boxes are included on a system, and up to 10,000 devices are supported with 5 control boxes on a system.



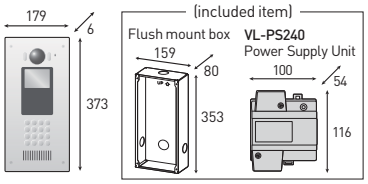
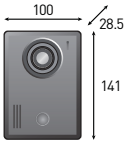
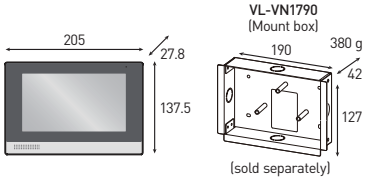
*1 A router connected to the internet with a public IP address is required. (A DDNS service may be required depending on the contract of the Internet service provider.)
Router settings are required to use the Mobile Intercom function. For more information, consult your dealer.
*2 An internet connection is required to use the Mobile Intercom function on mobile devices. When the mobile device is connected to the same Local Network as the Control box, Mobile Intercom does not work.
*3 Door station and Room monitor can be installed. If a Room monitor is installed, mobile devices can be register to the system through the Room monitor. In this case, Activation Keys are not required.

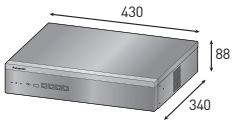
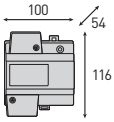
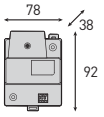
Capacity & Limitation



*4 When using mobile devices, 2 SIP are automatically allocated per residence. (#1) SIP for up to 4 mobile devices connecting (#2) SIP for system management or a Room monitor a SIP phone

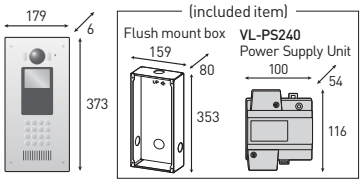
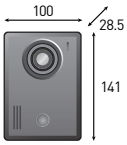
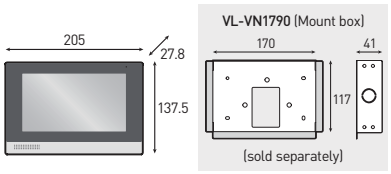
VL-VN1900 series (IP Video Intercom System for Apartment Complexes)

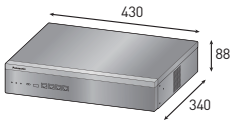
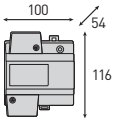
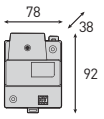
Model number and name	VL-VN1900 Lobby Station	VL-VN1500 Door Station	VL-MN1000 Room Monitor
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS240)	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VL-PS240*1)	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VL-PS240*1)
Power consumption	Standby: 3.5 W, Operating: 8.5 W	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)	373 x 179 x 6 mm (excluding sections embedded into the wall)	141 x 100 x 28.5 mm	137.5 x 205 x 27.8 mm
Weight	1.5 kg	250 g	550 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C Relative humidity (non-condensing): up to 90 %	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 %
Display	3.5-inch colour display (320x240 pixels)	—	7-inch wide colour display with touch screen (800x480 pixels)
Display language	English, Arabic, French, Italian, German, Spanish and Dutch Only user guidance supports multiple language Resident's names are only in English	—	English, Arabic, French, Italian, German, Spanish and Dutch
Talking method	Hands-free	Hands-free	Hands-free
Network interface	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	10BASE-T/100BASE-TX (Auto MDI/MDI-X)
Network protocol	TCP/IP, UDP	TCP/IP, UDP	TCP/IP, UDP
Wiring	UTP (cat.5e or higher)	UTP (cat.5e or higher)	UTP (cat.5e or higher)
Card reader (RFID)*2	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	—
Expanded interface	Support for electric lock releasing (entrance unlocking) x 1	E-lock x 1 *Relay box VL-RLY1 is required (sold separately)	Sensor input x 5 (including emergency / urgency button)
Viewing angle	Horizontally: Approx. 120°, Vertically: Approx. 72° (15° angle adjusting, vertical only)	Horizontally: Approx. 113°, Vertically: Approx. 69°	—
Image sensor	2.0 M pixels CMOS sensor	1.3 M pixels CMOS sensor	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	1 lx (within approx. 50 cm from the camera lens)	—
Lighting method	White coloured LED lights	White coloured LED lights	—
SIP server	Embedded SIP server (up to 200 devices)	—	—
Video / Audio format	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711
IP rating / IK rating	IP55*3 / Compliant with IK07	IP54*3 / —	—
Recording	—	—	Internal memory (video with audio can be saved)
Installation method	Flush mount (flush mount box supplied)	Surface mount (mounting base supplied)	Surface mount (mounting bracket supplied) or Flush mount (mount box VL-VN1790 sold separately)
External material	Aluminium	PC+ABS resin	PC+ABS resin
Supported functions	• Display a BMP file set by the user (320x220 pixels) • Room numbers using numbers 0 to 9 and letters A to F • Phonebook (Room-No., Resident's name) • Theft detection buzzer • Unlock lobby door via a PIN code or RFID card (MIFARE) • Reception mode (visitor calls are directed to a receptionist) • Recording images of visitors to NVR • Lift integration*4 • Register up to 90 SIP Phones*6 per lobby station	• Unlock individual doors via the RFID card (MIFARE) • Theft detection buzzer	• Monitoring through the IP camera • Emergency / Urgency call, Sensor, Doorbell • Intercom calls between monitors (family or neighbours) • Calls to SIP Phones (guard station, reception, etc.) • Register up to 32 IP cameras*5 per monitor • Register up to 18 SIP Phones*6 per monitor • Register up to 45 Lobby Stations*7 and door stations per monitor

Model number and name	VL-VN1700 Control Box	Options VL-PS240 Power Supply Unit	 VL-RLY1 Relay Box
Dimensions (Unit: mm)			
Power source	100-240 V AC, 0.95-0.6 A, 50/60 Hz	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Supplied by the door station
Power consumption	Under 50 W	—	—
Dimensions (H x W x D) (Excluding protruding sections)	88 x 430 x 340 mm	116 x 100 x 54 mm	92 x 78 x 38 mm
Weight	4.5 kg	230 g	130 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °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 %
Display	—	—	—
Display language	—	—	—
Talking method	—	—	—
Network interface	10BASE-T/100BASE-TX/1000BASE-T (Auto MDI/MDI-X)	—	—
Network protocol	TCP/IP, UDP	—	—
Wiring	UTP (cat.5e or higher)	—	—
Expanded interface	—	—	—
Video / Audio format	—	—	—
Recording	—	—	—
Installation method	Mountable to 19-inch racks	Wall mount or attach to DIN rail	Wall mount or attach to DIN rail
External material	Front Cabinet: ABS, Lower / Upper Cabinet: Steel	Flame retardant PC+ABS resin	Flame retardant ABS resin
Supported functions	• Voice mail • E-mail notification • Supports up to 2000 SIP devices (embedded SIP server)	—	—

*1 VL-PS240 is sold separately.
*2 50,000 RFID card keys can be registered to each Lobby Station. Each card key must be individually registered / updated ("Issue card", "Lost / Found", and "Delete") to each Lobby Station with which it will be used. There are no batch operations to register / update card keys to multiple Lobby Stations at the same time.
*3 Water resistance is only assured if lobby station/the door station installed correctly according to the instructions in the Operating Instructions, and appropriate water protection measures are taken.
*4 A third-party lift controller is required for lift integration. Lift controllers are not available in some areas. For more information, consult your dealer.
*5 System total up to 500 IP cameras. Consult your dealer for more information.
*6 System total up to 100 SIP phones. Consult your dealer for more information.
*7 System total up to 100 lobby stations. Consult your dealer for more information.

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

Model number and name	VL-VN1900	VL-VN1500	VL-MN1000
	Lobby Station	Door Station	Room Monitor
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS240)	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VL-PS240*1)	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VL-PS240*1)
Power consumption	Standby: 3.5 W, Operating: 8.5 W	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)	373 x 179 x 6 mm (excluding sections embedded into the wall)	141 x 100 x 28.5 mm	137.5 x 205 x 27.8 mm
Weight	1.5 kg	250 g	550 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C Relative humidity (non-condensing): up to 90 %	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 %
Display	3.5-inch colour display (320x240 pixels)	—	7-inch wide colour display with touch screen (800x480 pixels)
Display language	English, Arabic, French, Italian, German, Spanish, Dutch, Vietnamese and Indonesian Only user guidance supports multiple language Resident's names are only in English	—	English, Arabic, French, Italian, German, Spanish, Dutch, Vietnamese and Indonesian
Talking method	Hands-free	Hands-free	Hands-free
Network interface	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	10BASE-T/100BASE-TX (Auto MDI/MDI-X)
Network protocol	TCP/IP, UDP	TCP/IP, UDP	TCP/IP, UDP
Wiring	UTP (cat.5e or higher)	UTP (cat.5e or higher)	UTP (cat.5e or higher)
Card reader (RFID)*2	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	—
Expanded interface	Support for electric lock releasing (entrance unlocking) x 1	E-lock x 1 *Relay box VL-RLY1 is required (sold separately)	Sensor input x 5 (including emergency / urgency button)
Viewing angle	Horizontally: Approx. 120°, Vertically: Approx. 72° (15° angle adjusting, vertical only)	Horizontally: Approx. 113°, Vertically: Approx. 69°	—
Image sensor	2.0 M pixels CMOS sensor	1.3 M pixels CMOS sensor	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	1 lx (within approx. 50 cm from the camera lens)	—
Lighting method	White coloured LED lights	White coloured LED lights	—
SIP server	Embedded SIP server (up to 200 devices)	—	—
Video / Audio format	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711
IP rating / IK rating	IP55*3 / Compliant with IK07	IP54*3 / —	—
Recording	—	—	Internal memory (video with audio can be saved)
Installation method	Flush mount (flush mount box supplied)	Surface mount (mounting base supplied)	Surface mount (mounting bracket supplied) or Flush mount (mount box VL-VN1790 sold separately)
External material	Aluminium	PC+ABS resin	PC+ABS resin
Supported functions	• Display a BMP file set by the user (320x220 pixels) • Room numbers using numbers 0 to 9 and letters A to F • Phonebook (Room-No., Resident's name) • Theft detection buzzer • Unlock lobby door via a PIN code or RFID card (MIFARE) • Reception mode (visitor calls are directed to a receptionist) • Recording images of visitors to NVR • Lift integration*4 • Register up to 90 SIP Phones*6 per lobby station	• Unlock individual doors via the RFID card (MIFARE) • Theft detection buzzer	• Monitoring through the IP camera • Emergency / Urgency call, Sensor, Doorbell • Intercom calls between monitors (family or neighbours) • Calls to SIP Phones (guard station, reception, etc.) • Register up to 32 IP cameras*5 per monitor • Register up to 18 SIP Phones*6 per monitor • Register up to 45 Lobby Stations*7 and door stations per monitor

Model number and name	VL-VN1800	Options	
		VL-PS240	VL-RLY1
	Control Box	Power Supply Unit	Relay Box
Dimensions (Unit: mm)			
Power source	100-240 V AC, 0.95-0.6 A, 50/60 Hz	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Supplied by the door station
Power consumption	Under 50 W	—	—
Dimensions (H x W x D) (Excluding protruding sections)	88 x 430 x 340 mm	116 x 100 x 54 mm	92 x 78 x 38 mm
Weight	4.5 kg	230 g	130 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °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 %
Display	—	—	—
Display language	—	—	—
Talking method	—	—	—
Network interface	10BASE-T/100BASE-TX/1000BASE-T (Auto MDI/MDI-X)	—	—
Network protocol	TCP/IP, UDP	—	—
Wiring	UTP (cat.5e or higher)	—	—
Expanded interface	—	—	—
Video / Audio format	—	—	—
Recording	—	—	—
Installation method	Mountable to 19-inch racks	Wall mount or attach to DIN rail	Wall mount or attach to DIN rail
External material	Front Cabinet: ABS, Lower / Upper Cabinet: Steel	Flame retardant PC+ABS resin	Flame retardant ABS resin
Supported functions	• Mobile Remote*8 • Voice mail • E-mail notification • Supports up to 2000 SIP devices (embedded SIP server)	—	—

*1 VL-PS240 is sold separately.
*2 50,000 RFID card keys can be registered to each Lobby Station. Each card key must be individually registered / updated ("Issue card", "Lost / Found", and "Delete") to each Lobby Station with which it will be used. There are no batch operations to register / update card keys to multiple Lobby Stations at the same time.
*3 Water resistance is only assured if lobby station/the door station installed correctly according to the instructions in the Operating Instructions, and appropriate water protection measures are taken.
*4 A third-party lift controller is required for lift integration. Lift controllers are not available in some areas. For more information, consult your dealer.
*5 System total up to 500 IP cameras. Consult your dealer for more information.
*6 System total up to 100 SIP phones. Consult your dealer for more information.
*7 System total up to 100 lobby stations. Consult your dealer for more information.
*8 Supported languages: English, Vietnamese and Indonesian.
Compatible mobile devices: iPhone 5s and later, iPad Air and later (iOS 10 and later) / Android™ devices (Android 4.4 and later), as of June 2019.
Up to 4 mobile devices can be registered per residence (room number). (Up to 4 mobile devices can be counted as 1 SIP device.)
In order to use the Mobile Remote app on your mobile devices, you must register them in the Control Box through the room monitor.
For information about downloading and installing the app, please visit https://panasonic.net/cns/pcc/support/intercom/

Analogue
Video Intercom System
for Apartment Complexes

Lobby Station

VL-V901

Door station for the public entrance of housing complexes. Destination display, calling, conversation, electric lock

Control Box

VL-V700

Device for controlling the entire system

Features

- Guidance (simple usage for visitors)
- Wide angle camera : Horizontally: approx. 170˚
  Vertically: approx. 110˚
- Heat sensor: The backlight of the display and buttons are turned on when a visitor is detected.
- 4.3-inch LCD / white backlit LCD
- Blue / Amber LED backlit buttons
- White coloured LED lights for night colour vision
- Unlock with PIN-code
- Room number and name registration
- Room owner name display

Connectable devices

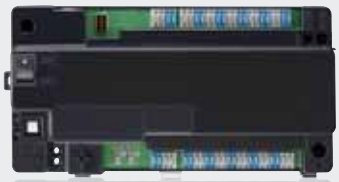
- Security camera
- Electric lock
- Access controller

Features

- Easy setup (Room number registration)
- Easy connection check
  (Check connections between the control box and main monitor of each room)
- Real time monitoring
- Log (SD card recording)
  Text log: More than 90,000 items (date, caller, receiver, operation, status)
  Image log: Up to 90,000 images (overwrite save) (visitors call)

Connectable devices

- PBX
- PC (for program settings)
- Monitor (for real time monitoring)



Distribution Box

VL-V701

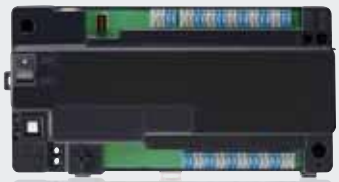
Functions as a distribution box or repeater.
The function can be switched with a DIP switch.

Role as a distribution box

A distribution box for connecting the control box with the main monitor of each room.

Role as a repeater box

A repeater box for amplifying the signal when the control box and main monitor are far away from each other.
Only one can be connected between the control box and distribution box #10.



Lift Controller

VL-V702

Controlling the destination of lifts
Controlling the destination (floor) of visitors by linking with the lift and lift control box.

Supported control methods

- 1:1 control (Relay signalling)
- Binary control

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

Extension Box

VL-V703

Device for extending the lobby stations and control boxes.

Features

Extend lobby stations / control boxes
- Up to 6 lobby stations
- Up to 4 control boxes

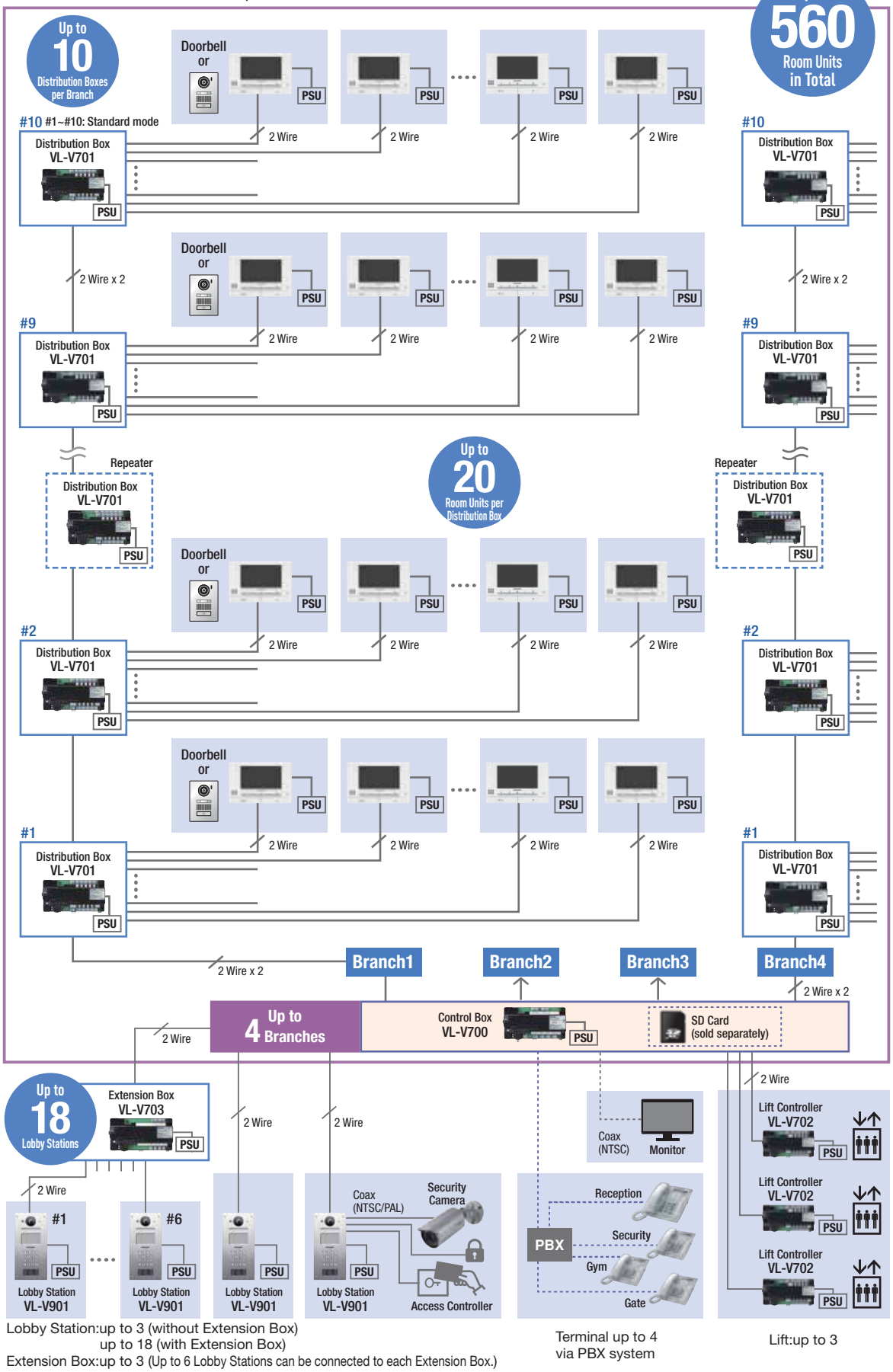
Main Monitor Line Up

	VL-MWD272/MWD273, VL-MW274	VL-MV71, VL-MV72/MV72A	VL-MWD275, VL-SV74/MV75	VL-MVN511*1	VL-MV26/VL-MV26A
				VL-PS240*2 (Power Supply Unit)	VL-PS240 (Power Supply Unit)
Power source	VL-MWD272: 220-240 V AC (50/60 Hz) VL-MWD273: Power supply unit (VL-PS241) VL-MW274: 220-240 V AC (50/60 Hz)	VL-MV71: 220-240 V AC (50/60 Hz) VL-MV72/MV72A: Power supply unit*3	VL-MWD275AZ: Power supply unit (VL-PS241) others: 220-240 V AC (50/60 Hz) VL-MV74:220-240 V AC (50/60 Hz) VL-MV75/MV75A: Power supply unit*3	Power supply unit (VL-PS240) 24 V DC, 0.5 A	VL-MV26: 220-240 V AC (50/60 Hz) VL-MV26A: Power supply unit*3
Power consumption (approx.) Standby:	VL-MWD272: 2.5 W VL-MWD273: 1.8 W VL-MW274: 1.9 W	VL-MV71: 2.0 W VL-MV72: 1.6 W VL-MV72A: 1.6 W*6, 1.7 W*7	VL-MWD275AZ: 2.2 W*4 VL-MWD275BX/CX/CX1/ML: 2.9 W*4 VL-MV74: 2.3 W*5 VL-MV75AZ/MV75AZA: 1.9 W*6, 2.0 W*7	1.8 W	VL-MV26: 1.2 W VL-MV26A: 1.2 W*6, 1.3 W*7
Operating:	VL-MWD272: 10.0 W VL-MWD273: 11.6 W VL-MW274: 10.0 W	VL-MV71: 10.5 W VL-MV72: 9.8 W VL-MV72A: 9.8 W*6, 9.9 W*7	VL-MWD275AZ: 14.0 W*4 VL-MWD275BX/CX/CX1/ML: 13.7 W*4 VL-MV74: 11.3 W*5 VL-MV75AZ/MV75AZA: 12.7 W*6, 12.8 W*7	10 W	VL-MV26: 8 W VL-MV26A: 8 W*6, 8.1 W*7
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C, Relative humidity (non-condensing): up to 90 %				
Display	7-inch wide colour / WVGA	7-inch wide colour / WVGA	7-inch wide colour / WVGA	5-inch wide colour / WQVGA	3.5-inch colour / QVGA
Display language	English, Arabic	English, Arabic	VL-MWD275: English, Arabic VL-MV74/MV75: English, Arabic, Vietnamese	English, Arabic	English
Frequency range	VL-MWD272/273: 1.88 GHz to 1.90 GHz VL-MW274: 2.402 GHz to 2.481 GHz	-	-	IEEE 802.11 b/g/n 2.4 GHz	-
Installation method	Wall mount (mounting bracket supplied)				
Supported functions					
Door station Doorbell	1 door station input 1 doorbell input	1 door station input 1 doorbell input	1 door station input 1 doorbell input	1 door station input 1 doorbell input	- 1 doorbell input
Electric lock release support	Up to 2 (for individual x 1, for public x 1)	Up to 2 (for individual x 1, for public x 1)	Up to 2 (for individual x 1, for public x 1)	Up to 3 (for individual x 1*8, for public x 1)	Up to 1 (for public x 1)
Picture recording	Up to 400 images (up to 50 visitors)	Up to 400 images (up to 50 visitors)	Up to 200 images (up to 50 visitors)	Up to 400 images (up to 50 visitors)	Up to 30 images (up to 30 visitors, 1 shot per visitor)
Voice changer	Yes	Yes	Yes	Yes	-
Pan, Tilt, Zoom	Yes (for VL-V901, VL-V554, VL-V555)	Yes (for VL-V901, VL-V554, VL-V555)	Yes (for VL-V901, VL-V554, VL-V555)	Yes (for VL-V901, VL-V554, VL-V555)	-
Wireless monitor	Up to 6 (VL-WD613/WD619)*9	-	-	-	-
Extension monitor	Up to 3 (VL-MWD272/273/MW274)*9	Up to 3 (VL-MV71/MV72)	Up to 3 (VL-MV74)	-	-
Repeater	Up to 2 (VL-FKD2)	-	-	-	-
Smartphone connect	-	-	-	Up to 4	-
E-mail notification	-	-	-	Up to 4*10	-
Intercom call	Yes (between main, sub and extension monitor)	Yes (between main and extension monitor)	Yes (between main and extension monitor)	-	-
Other functions	• Guard call • Monitor security camera • Emergency call	• Guard call • Monitor security camera • Emergency call	• Guard call • Monitor security camera • Emergency call	• Guard call • Monitor security camera • Emergency call	• Guard call*11 • Monitor security camera • Emergency call*11

*1 Monitor (VL-MVN511) is not sold as a single unit in some area. *2 Power supply unit (VL-PS241) is included with VL-SVN511AZ/BX, VL-PS240 is included with VL-SVN511EX, VL-MVN511BX/EX.
*3 VL-MV72A AZ/BX/VN, VL-MV75AZA, VL-MV26A BX: Power supply unit is sold separately. *4 Measurement conditions: VL-V524L (1 pc.) and VL-WD619 (1 pc.) are connected to VL-MWD275.
*5 Measurement conditions: VL-V524L (1 pc.) is connected to the Main Monitor. *6 Measurement conditions: Monitor (1 pc.) is connected to VL-PS240/VL-PS241.
*7 Measurement conditions: Monitor (1 pc.) is connected to VL-PS2410. *8 VL-RLY1 is required. (VL-RLY1 is included with VL-SVN511, but not included with VL-MVN511.)
*9 Up to 6 additional monitors (Extension monitor/Wireless sub monitor) can be connected. (*up to 3 of extension monitors)
*10 The main monitor must be connected to a wireless router that is connected to the Internet in order to use email feature. *11 Either one can be connected.

Basic System

Each Branch connects up to 10 Distribution Boxes
Each Distribution Box connects up to 20* Room Units (*Room units: up to 560 for each control box)

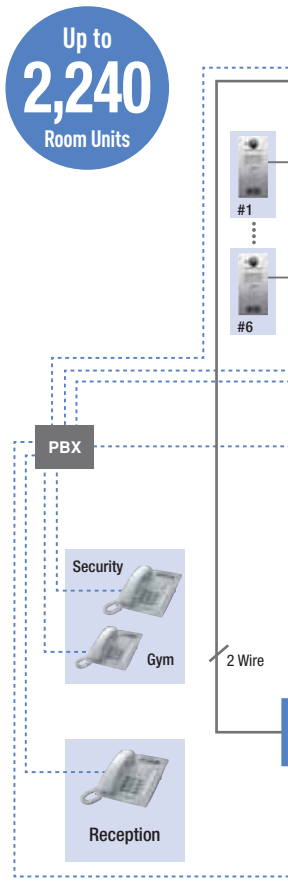


Lobby Station:up to 3 (without Extension Box)
up to 18 (with Extension Box)
Extension Box:up to 3 (Up to 6 Lobby Stations can be connected to each Extension Box.)

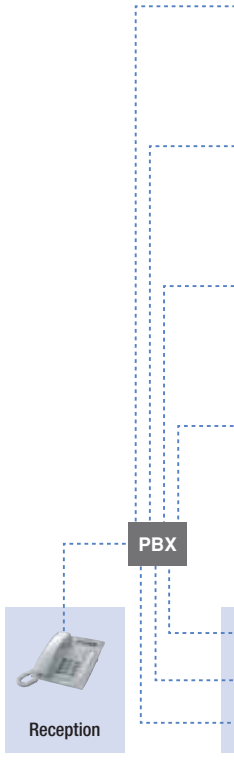
Terminal up to 4
via PBX system

Lift:up to 3

Expanded System



Expanded System



*1 There are usage restrictions when connect
*2 When a visitor calls a resident from the Lo
needs to enter the building number before

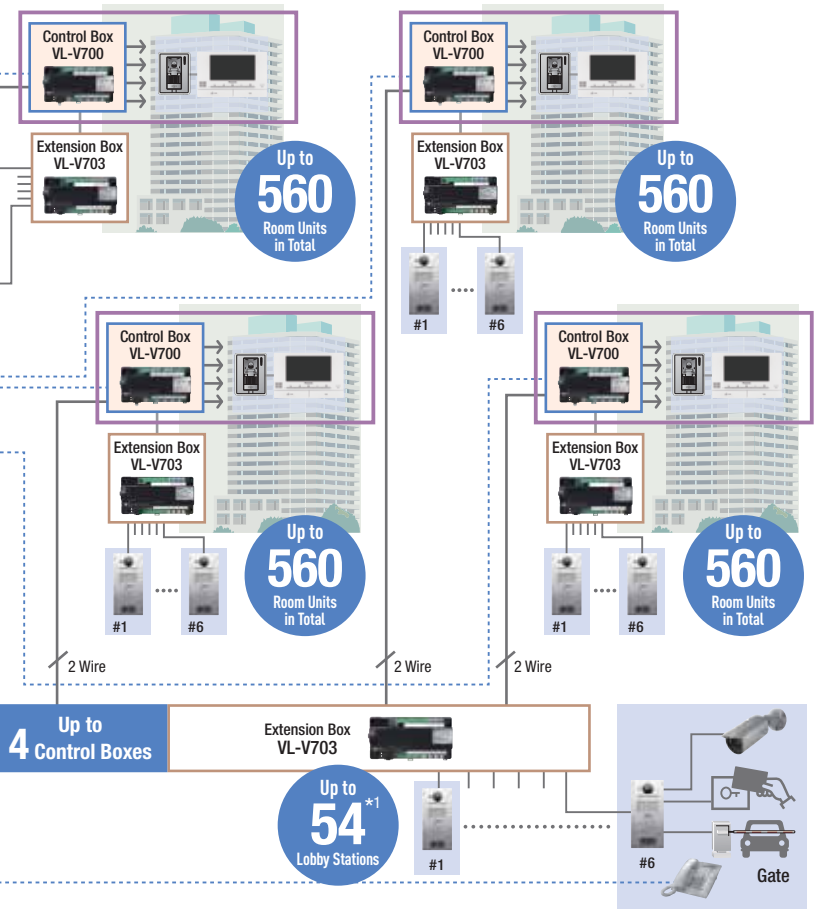
- Extension Boxes do not operate as repeaters that allow longer distances between the Control Box and Lobby Stations.
- Lobby Stations (VL-V901) connected to Extension Boxes (VL-V703) cannot be called from the main monitors or terminals.

Wiring Distance

*Use PE (polyethylene)-insulated cables.

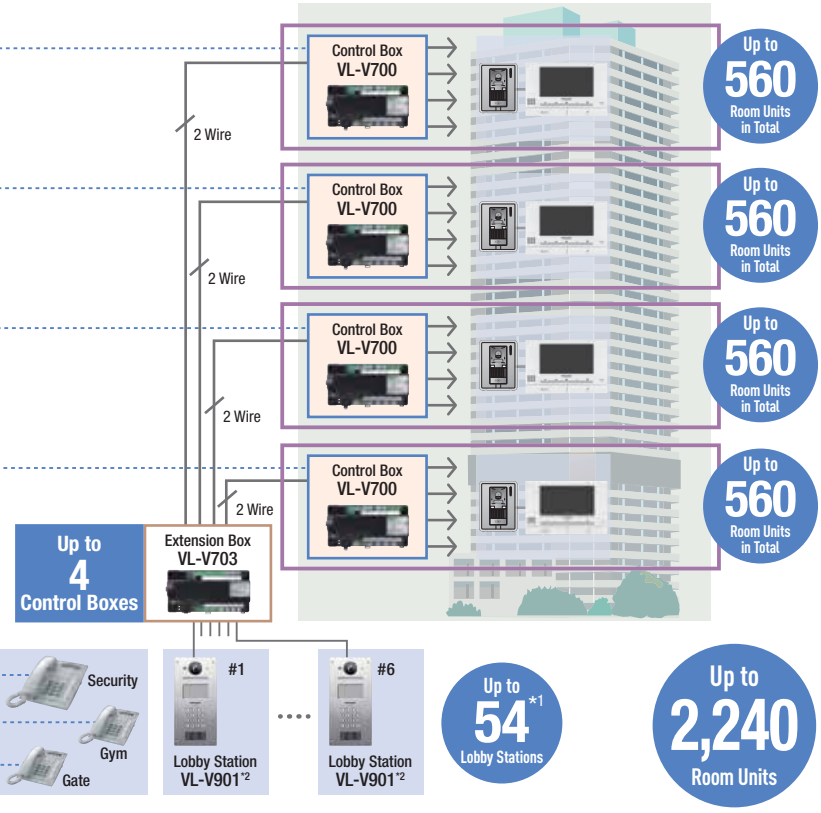
Wiring run	Wire diameter		Wiring run
	0.65 mm (22 AWG)	1.2 mm (17 AWG)	
Control Box - (Extension Box) - Lobby Station	100 m	200 m	Control Box - Distribution Box (Repeater Mode)
Control Box - The furthest Distribution Box (Standard Mode)	100 m	200 m	Distribution Box (Repeater Mode) - The furthest Distribution Box (Standard Mode)
Distribution Box (Standard Mode) - Main Monitor	100 m	200 m	Control Box - The furthest Lift Controller

for Multi building



for Large scale building

There are restrictions*2 on the system



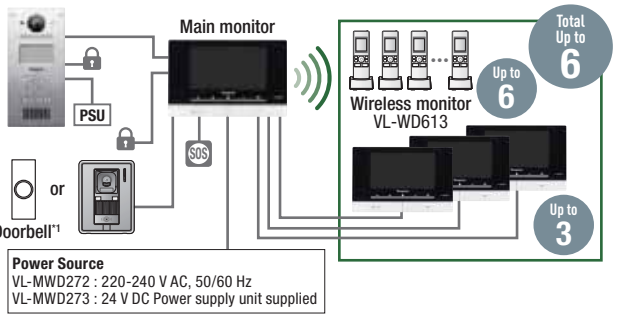
ing more than 19 Lobby Stations. Consult your certified Panasonic dealer for more information.
bby Station on a system with multiple Control Boxes installed in one building, even though there is only one building, the visitor entering the room number.

	Wire diameter	
	0.65 mm (22 AWG)	1.2 mm (17 AWG)
	100 m	200 m
	100 m	200 m
	100 m	200 m

PSU Power Supply Unit (VL-PS240/PS241)
SOS Emergency button
E-Lock

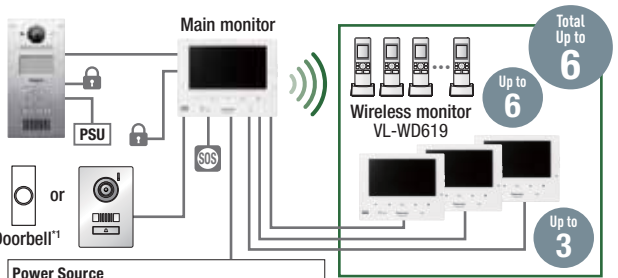
Monitor Lineup

VL-MWD273/VL-MWD272



Power Source
VL-MWD272 : 220-240 V AC, 50/60 Hz
VL-MWD273 : 24 V DC Power supply unit supplied

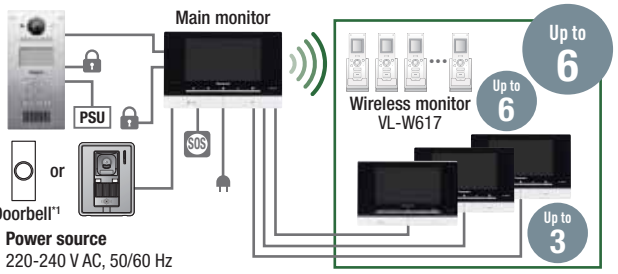
VL-MWD275/VL-MV74/VL-MV75/VL-MV75A



Power Source
VL-MWD275AZ : 24 V DC Power supply unit supplied
Others : 220-240 V AC, 50/60 Hz

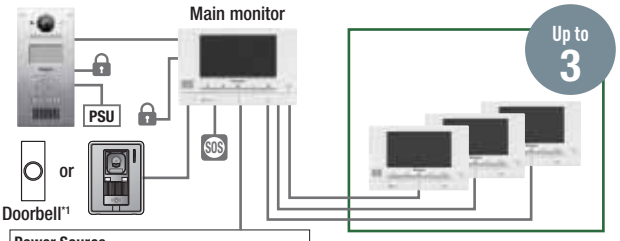
* VL-MV74/MV75/MV75A: Wireless monitors NOT supported

VL-MW274



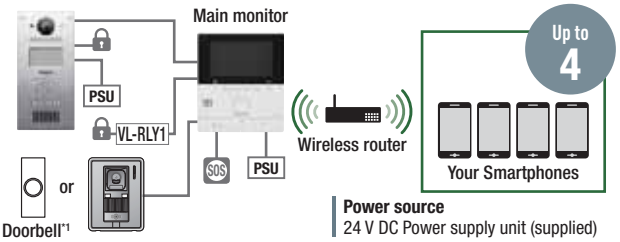
Power source
220-240 V AC, 50/60 Hz

VL-MV71/VL-MV72/VL-MV72A*2



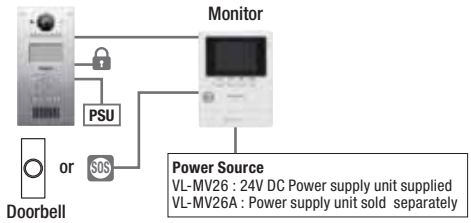
Power Source
VL-MV71 : 220-240 V AC, 50/60 Hz
VL-MV72 : 24V DC Power supply unit supplied
VL-MV72A : Power supply unit sold separately

VL-MVN511



Power source
24 V DC Power supply unit (supplied)

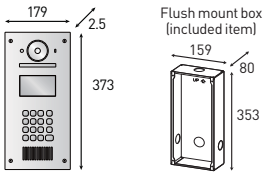
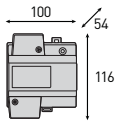
VL-MV26/VL-MV26A*2

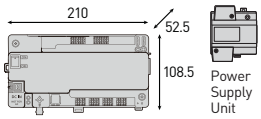
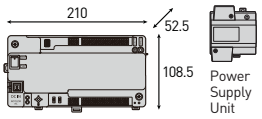
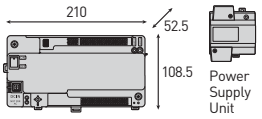
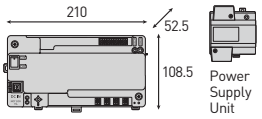


Power Source
VL-MV26 : 24V DC Power supply unit supplied
VL-MV26A : Power supply unit sold separately

*1 Doorbell connect to the option input. *2 VL-MV72A/VL-MV26A: Power supply unit is sold separately.

VL-V901 series (Analogue Video Intercom System for Apartment Complexes)

Model number and name	VL-V901	
	Lobby Station	Power Supply Unit (VL-PS240)
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: 1.9 W Operating: 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 language	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. 110°	—
Image sensor	(1/4 inch) CMOS sensor (approx. 1.0 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	Flush mount (flush mount box supplied)	Wall mount or attach to DIN rail
External material	High corrosion resistant stainless steel (SUS316), partially ABS and PC	Flame retardant PC+ABS resin
Supported functions	• 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 detected • Display the resident's names • Unlock with PIN-code	—

Model number and name	VL-V700	VL-V701	VL-V702*2	VL-V703
	Control Box	Distribution Box / Repeater Box	Lift Controller	Extension Box
Dimensions (Unit: mm)				
Power source	Power supply unit (VL-PS240) 24 V DC, 0.2 A	Power supply unit (VL-PS240) 24 V DC, 0.1 A	Power supply unit (VL-PS240) 24 V DC, 0.2 A	Power supply unit (VL-PS240) 24 V DC, 0.1 A
Power consumption	Standby: 3.5 W Operating: 3.7 W	Standby: 1.2 W Operating: 2.0 W	Standby: 0.4 W Operating: 4.4 W	Standby: 1.5 W Operating: 1.5 W
Dimensions (H x W x D) (Excluding protruding sections)	108.5 x 210 x 52.5 mm			
Weight	400 g			350 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) • date and time setting • set the room number to the monitor • estimate the status of the equipment in the system • operation setting (terminal, pass code, and so on.) SD card (SDHC/SDXC): Log function VIDEO OUTPUT (NTSC) RJ-11: Connect with PBX system	Dip switch • Mode change (Distribution mode/Repeater mode) • Termination setting (Normal/Termination) • ID setting (1-10)	Supported control methods • 1:1 control (Relay signalling) • Binary control	Extend lobby stations / control boxes • Up to 6 lobby stations • Up to 4 control boxes

*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.

Video Intercom for Small Size Apartment

Video Intercom Multi Door System

for Small Size Apartment

Module Lineup

VL-VM101
Camera Module

VL-VM301
1-Button Module

VL-VM302
2-Button Module

VL-VM303
3-Button Module

VL-VM304
4-Button Module

VL-VM901
Blank Panel

VL-VM801
Extension Cable (1 m, 15 g)

VL-VM502 / VM503
Surface Mount Cover
(Small type / Large type)

VL-VM602 / VM603
Back Box
(Small type / Large type)

VL-PS2410
Power Supply Unit (2.5A type)

VL-PS240
Power Supply Unit (0.6A type)

Main Features

Freely mix and match

A flexible system that accommodates up to 32 rooms can be designed by combining call button modules.

Easy-to-see and use call buttons

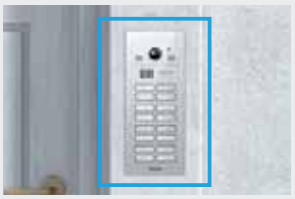
The large call buttons with integrated nameplate and backlight make it visible in the dark and enhance its operability and visibility.

Front access name plate

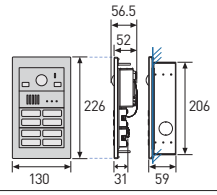
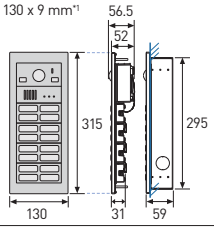
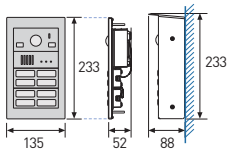
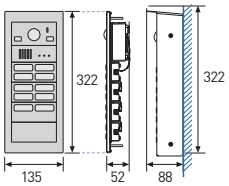
While our unique front-access nameplates are easily removed by hand, front access can also be prohibited with screws.

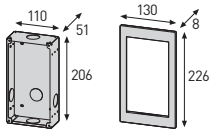
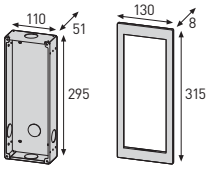
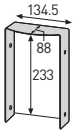
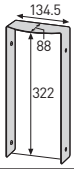
Compact design

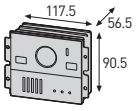
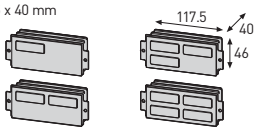
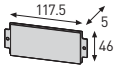
Its compact design allows it to be installed in a variety of locations.

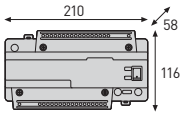


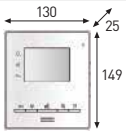
Specifications

Lobby Station	Flush mount (Small type)	Flush mount (Large type)	Surface mount (Small type)	Surface mount (Large type)
Composition	VL-VM101 x 1pc. VL-VM304 x 2pcs. VL-VM602 x 1pc. (Small type)	VL-VM101 x 1pc. VL-VM304 x 4pcs. VL-VM603 x 1pc. (Large type)	VL-VM101 x 1pc. VL-VM304 x 2pcs. VL-VM602 x 1pc. (Small type) VL-VM502 x 1pc. (Small type)	VL-VM101 x 1pc. VL-VM304 x 4pcs. VL-VM603 x 1pc. (Large type) VL-VM503 x 1pc. (Large type)
Dimensions (H x W x D) (Excluding protruding sections)	226 x 130 x 9 mm*1 	315 x 130 x 9 mm*1 	233 x 135 x 89 mm 	322 x 135 x 89 mm 
Weight	1.3 kg	1.8 kg	1.7 kg	2.2 kg
Power source	Power supply unit (sold separately): VL-PS240 or VL-PS2410			
Power consumption	Refer to "Power Supply Unit Estimate" on the next page			

Model number and name	VL-VM602	VL-VM603	VL-VM502	VL-VM503
	Back Box (Small type)	Back Box (Large type)	Surface Mount Cover (Small type)	Surface Mount Cover (Large type)
Dimensions (H x W x D) (Excluding protruding sections)	226 x 130 x 59 mm 	315 x 130 x 59 mm 	233 x 134.5 x 88 mm 	322 x 134.5 x 88 mm 
Weight	VL-VM602: 720 g	VL-VM603: 930 g	VL-VM502: 355 g	VL-VM503: 445 g
Operating environment	Ambient temperature: Approx -15 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %		Ambient temperature: Approx -15 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %	
External material	Aluminium and Steel (SPCC)		Stainless steel (SUS304)	

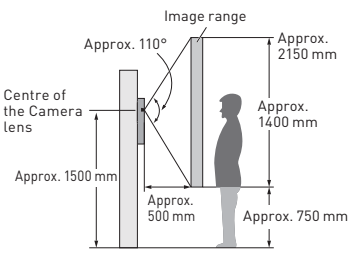
Model number and name	VL-VM101	VL-VM301/302/303/304	VL-VM901
	Camera Module	Button Module	Blank Panel
Dimensions (H x W x D) (Excluding protruding sections)	90.5 x 117.5 x 56.5 mm 	46 x 117.5 x 40 mm 	46 x 117.5 x 5 mm 
Weight	315 g	120 g	50 g
Operating environment	Ambient temperature: Approx -15 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %		
Talking method	Hands-free	-	-
View angle	Horizontally: Approx. 170° Vertically: Approx. 110°	-	-
IP rating / IK rating	IP55*2 / Compliant with IK08		
Image sensor	(1/4 inch) CMOS sensor (approx. 1.0 M pixels)	-	-
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	-	-
Lighting method	White coloured LED lights	-	-
External material	Aluminium (partially PC and ABS)	Aluminium (partially PC and ABS)	Aluminium

Model number and name	VL-PS240	VL-PS2410
	Power Supply Unit (0.6A type)	Power Supply Unit (2.5A type)
Dimensions (H x W x D) (Excluding protruding sections)	116 x 100 x 54 mm	116 x 210 x 58 mm 
Power source	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Input: 220-240 V AC, 1 A (50/60 Hz) Output: 24 V DC, 2.5 A
Power consumption	-	-
Weight	230 g	530 g
Operating environment	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)	Ambient temperature: Approx 0 °C to +50 °C, Relative humidity (non-condensing): Up to 90 %
External material	Flame retardant PC+ABS resin	Flame retardant PC+ABS resin

Model number and name	VL-MV10
	Monitor
Dimensions (H x W x D) (Excluding protruding sections)	149 x 130 x 25 mm 
Power source	Supplied by the bus line (from a distributor or a lobby station)
Power consumption	Refer to "Power Supply Unit Estimate" on the next page
Weight	270 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C, Relative humidity (non-condensing): up to 90 %
Display	3.5-inch colour / QVGA (320x240 pixels)
External material	Flame retardant ABS
Supported functions	
Electric lock release support	Up to 1 (for Lobby Station)
Pan, Tilt, Zoom	with 3 mode PAN (for VL-VM101)
Monitoring outside	-
Expanded interface	Doorbell input × 1, A contact output × 1

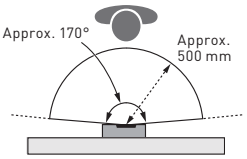
Installation Position and Camera Range

Side view



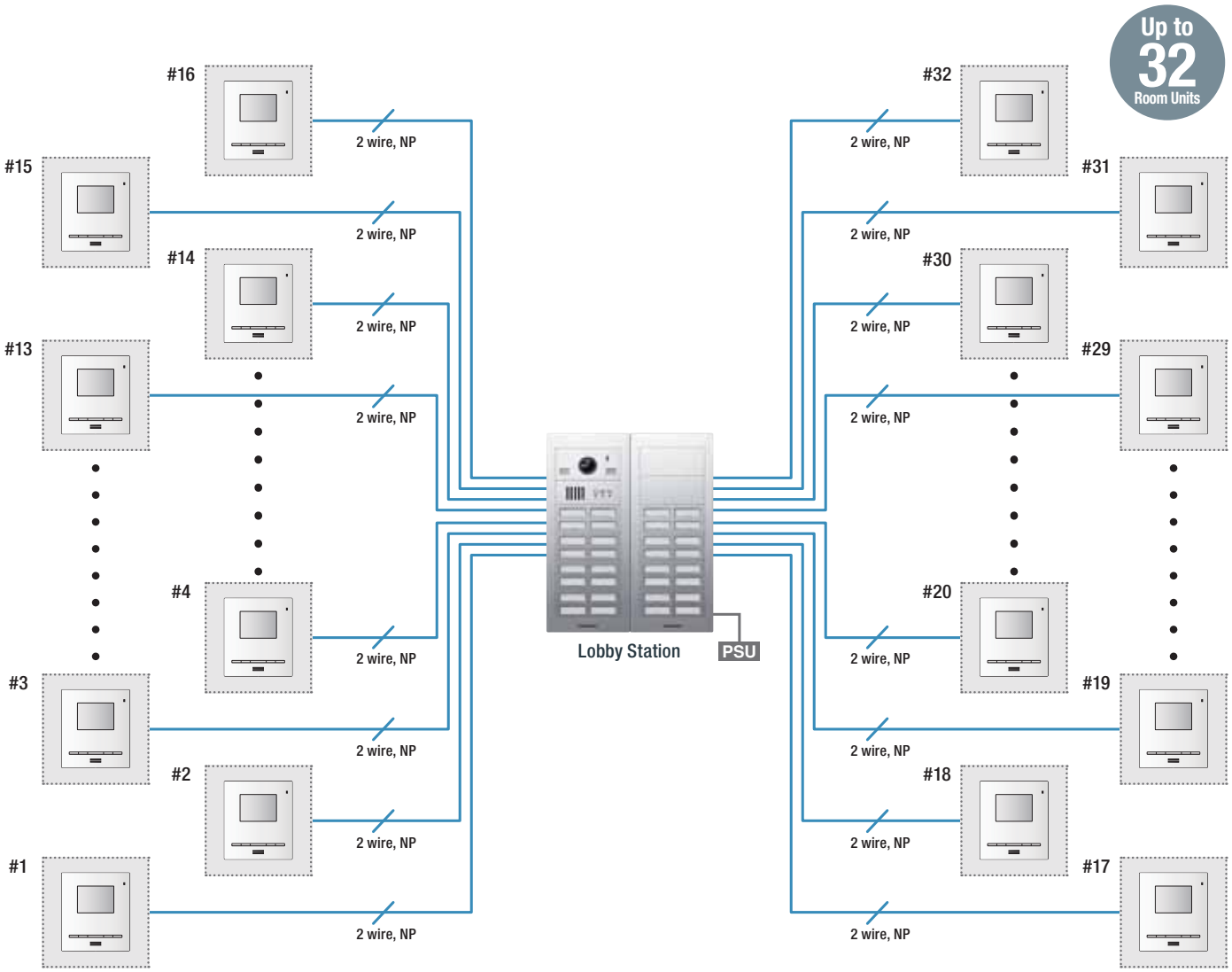
Top view

(view when looking from above)



*1 Excluding sections embedded into the wall.
*2 Water resistance is only assured if the product is installed correctly according to the instructions in the Operating Instructions, and appropriate water protection measures are taken.

Star-shaped Wiring



Wiring distance:

Lobby Station – Monitor	Up to 100 m (ø0.65 mm) / Up to 200 m (ø1.20 mm)
PSU (VL-PS240) – Lobby Station	Up to 10 m (ø0.65 mm) / Up to 20 m (ø2.0 mm)
PSU (VL-PS2410) – Lobby Station	Up to 50 m (ø0.65 mm) / Up to 100 m (ø2.0 mm)

Power Supply Unit Estimate (For Star-shaped Wiring)

(Unit: pcs.)

Monitor (VL-MV10)	1~4	5~32
Lobby Station	1	
Power Supply Unit VL-PS240 (0.6A)	1	-
Power Supply Unit VL-PS2410 (2.5A)	-	1

(Unit: pcs.)

Monitor (other monitors)	1~32
Lobby Station	1
Power Supply Unit VL-PS240 (0.6A)	1

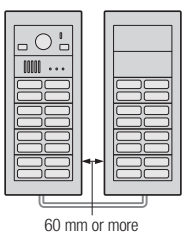
This is an estimate of a minimal configuration. The actual configuration depends on the installation environment/conditions.

Lobby Station Components

(Unit: pcs)									
Number of call buttons	32	28	16	13	24	16	8	7	6
VL-VM101	1	1	1	1	1	1	1	1	1
VL-VM301				1					
VL-VM302									1
VL-VM303								1	
VL-VM304	8	7	4	3	6	4	2	1	1
VL-VM901	2	3				2			
VL-VM502/VM503*	VL-VM503: (2)		VL-VM503: (1)		VL-VM502: (2)		VL-VM502: (1)		
VL-VM602/VM603	VL-VM603: 2		VL-VM603: 1		VL-VM602: 2		VL-VM602: 1		
VL-VM801	1	1			1	1			

*The surface mount cover cannot be attached when the lobby station is flush mounted. However, make sure to use the surface mount cover when the lobby station is surface mounted.

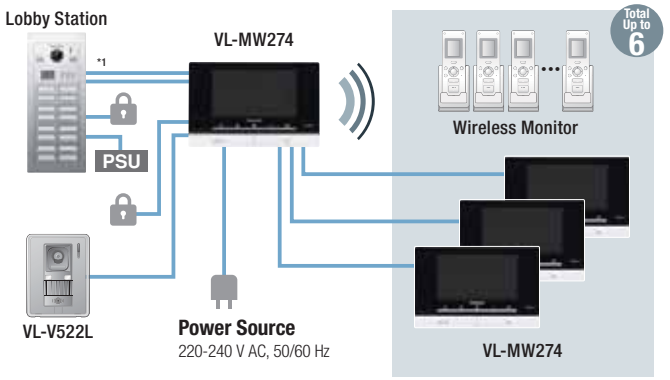
Surface Mount



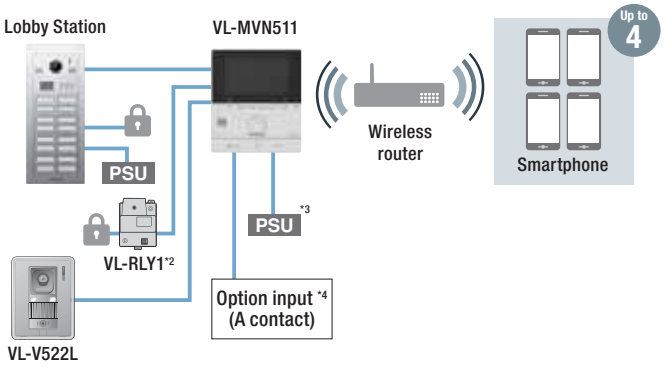
When the surface mount installation method is used to install 2 Lobby Stations side-by-side, a gap of 60 mm or more is required.

Monitor Lineup

VL-MW274

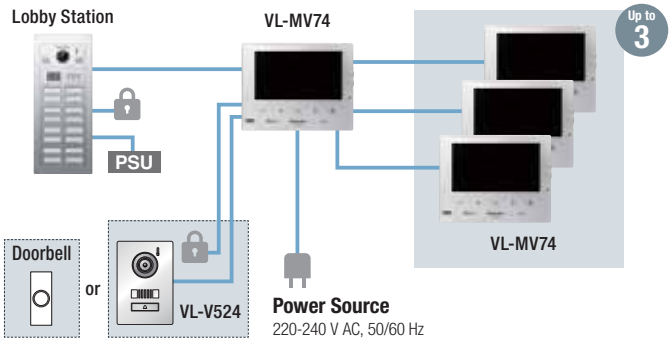


VL-MVN511



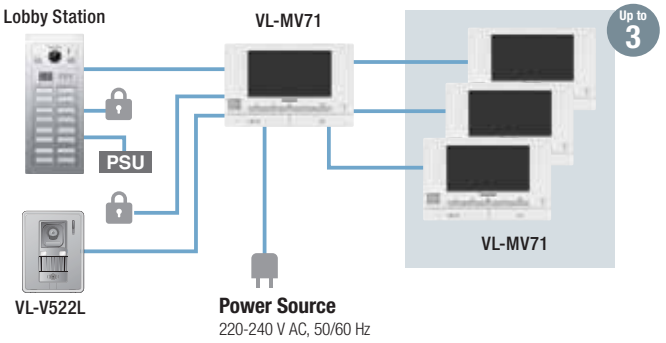
VL-MV74

(Wireless monitors NOT supported)

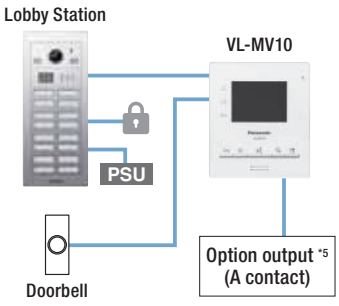


VL-MV71

(Wireless monitors NOT supported)



VL-MV10



Power Source
Supplied by the bus line or a lobby station

PSU : Power Supply Unit

*1 Connect terminal S1/S2 on the main monitor with terminal K-IN 1 or K-IN 2 on the lobby station.
*2 A Relay Box (VL-RLY1) is NOT included with the monitor (VL-MVN511).
*3 A Power Supply Unit is included with the monitor.
*4 Option inputs can be used to connect 2 sensors.
*5 Devices that can be connected to the option output: doorbell light, door chime, rotating light, etc.

Video Intercom
Multi Door System
for Small Size Apartment

Module Lineup

VL-VM101
Camera Module

VL-VM801
Extension Cable (1 m, 15 g)

VL-VM301
1-Button Module

VL-VM502 / VM503
Surface Mount Cover
(Small type / Large type)

VL-VM302
2-Button Module

VL-VM602 / VM603
Back Box
(Small type / Large type)

VL-VM303
3-Button Module

VL-PS2410
Power Supply Unit (2.5A type)

VL-PS240
Power Supply Unit (0.6A type)

VL-VM304
4-Button Module

VL-VM701
Distributor

VL-VM901
Blank Panel

VL-V703
Extension Box

Main Features

Freely mix and match

A flexible system that accommodates up to 32 rooms can be designed by combining call button modules.

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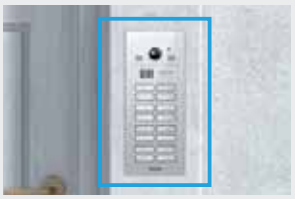
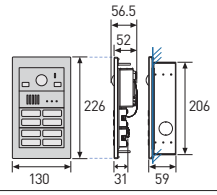
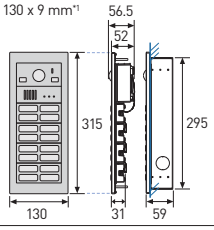
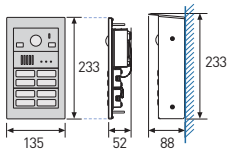
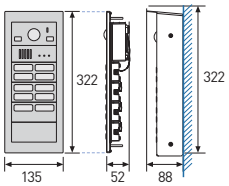
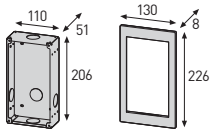
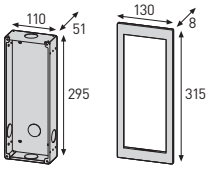
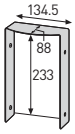
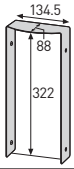
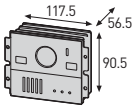
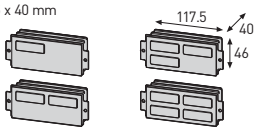
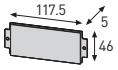
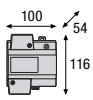
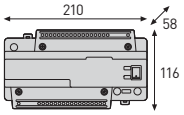
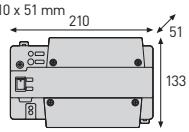
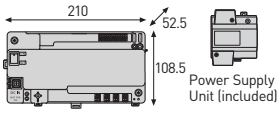


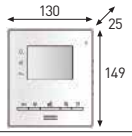
Specifications

Lobby Station	Flush mount (Small type)	Flush mount (Large type)	Surface mount (Small type)	Surface mount (Large type)
Composition	VL-VM101 x 1pc. VL-VM304 x 2pcs. VL-VM602 x 1pc. (Small type)	VL-VM101 x 1pc. VL-VM304 x 4pcs. VL-VM603 x 1pc. (Large type)	VL-VM101 x 1pc. VL-VM304 x 2pcs. VL-VM602 x 1pc. (Small type) VL-VM502 x 1pc. (Small type)	VL-VM101 x 1pc. VL-VM304 x 4pcs. VL-VM603 x 1pc. (Large type) VL-VM503 x 1pc. (Large type)
Dimensions (H x W x D) (Excluding protruding sections)	226 x 130 x 9 mm*1 	315 x 130 x 9 mm*1 	233 x 135 x 89 mm 	322 x 135 x 89 mm 
Weight	1.3 kg	1.8 kg	1.7 kg	2.2 kg
Power source	Power supply unit (sold separately): VL-PS240 or VL-PS2410			
Power consumption	Refer to "Power Supply Unit Estimate" on the next page			

Model number and name	VL-VM602	VL-VM603	VL-VM502	VL-VM503
	Back Box (Small type)	Back Box (Large type)	Surface Mount Cover (Small type)	Surface Mount Cover (Large type)
Dimensions (H x W x D) (Excluding protruding sections)	226 x 130 x 59 mm 	315 x 130 x 59 mm 	233 x 134.5 x 88 mm 	322 x 134.5 x 88 mm 
Weight	VL-VM602: 720 g	VL-VM603: 930 g	VL-VM502: 355 g	VL-VM503: 445 g
Operating environment	Ambient temperature: Approx -15 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %		Ambient temperature: Approx -15 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %	
External material	Aluminium and Steel (SPCC)		Stainless steel (SUS304)	

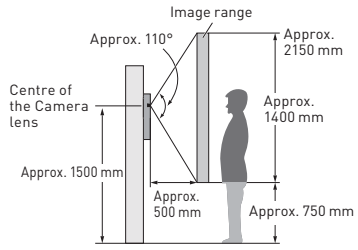
Model number and name	VL-VM101	VL-VM301/302/303/304	VL-VM901
	Camera Module	Button Module	Blank Panel
Dimensions (H x W x D) (Excluding protruding sections)	90.5 x 117.5 x 56.5 mm 	46 x 117.5 x 40 mm 	46 x 117.5 x 5 mm 
Weight	315 g	120 g	50 g
Operating environment	Ambient temperature: Approx -15 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %		
Talking method	Hands-free	-	-
View angle	Horizontally: Approx. 170° Vertically: Approx. 110°	-	-
IP rating / IK rating	IP55*2 / Compliant with IK08		
Image sensor	(1/4 inch) CMOS sensor (approx. 1.0 M pixels)	-	-
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	-	-
Lighting method	White coloured LED lights	-	-
External material	Aluminium (partially PC and ABS)	Aluminium (partially PC and ABS)	Aluminium

Model number and name	VL-PS240	VL-PS2410	VL-VM701	VL-V703
	Power Supply Unit (0.6A type)	Power Supply Unit (2.5A type)	Distributor	Extension Box
Dimensions (H x W x D) (Excluding protruding sections)	116 x 100 x 54 mm 	116 x 210 x 58 mm 	133 x 210 x 51 mm 	108.5 x 210 x 52.5 mm  Power Supply Unit (included)
Power source	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Input: 220-240 V AC, 1 A (50/60 Hz) Output: 24 V DC, 2.5 A	Power supply unit (sold separately): VL-PS240 or VL-PS2410	Power supply unit (VL-PS240)
Power consumption	-	-	Refer to "Power Supply Unit Estimate" on the next page	Standby: 1.5 W Operating: 1.5 W
Weight	230 g	530 g	440 g	350 g
Operating environment	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)	Ambient temperature: Approx 0 °C to +50 °C, Relative humidity (non-condensing): Up to 90 %	Ambient temperature: Approx -10 °C to +55 °C, Relative humidity (non-condensing): Up to 90 %	Ambient temperature: Approx -10 °C to +50 °C, Relative humidity (non-condensing): Up to 90 %
External material	Flame retardant PC+ABS resin	Flame retardant PC+ABS resin	ABS (flame retardant ABS resin)	ABS (flame retardant ABS resin)

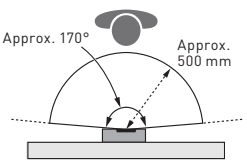
Model number and name	VL-MV10
	Monitor
Dimensions (H x W x D) (Excluding protruding sections)	149 x 130 x 25 mm 
Power source	Supplied by the bus line (from a distributor or a lobby station)
Power consumption	Refer to "Power Supply Unit Estimate" on the next page
Weight	270 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C, Relative humidity (non-condensing): up to 90 %
Display	3.5-inch colour / QVGA (320x240 pixels)
External material	Flame retardant ABS
Supported functions	
Electric lock release support	Up to 1 (for Lobby Station)
Pan, Tilt, Zoom	with 3 mode PAN (for VL-VM101)
Monitoring outside	-
Expanded interface	Doorbell input × 1, A contact output × 1

Installation Position and Camera Range

Side view

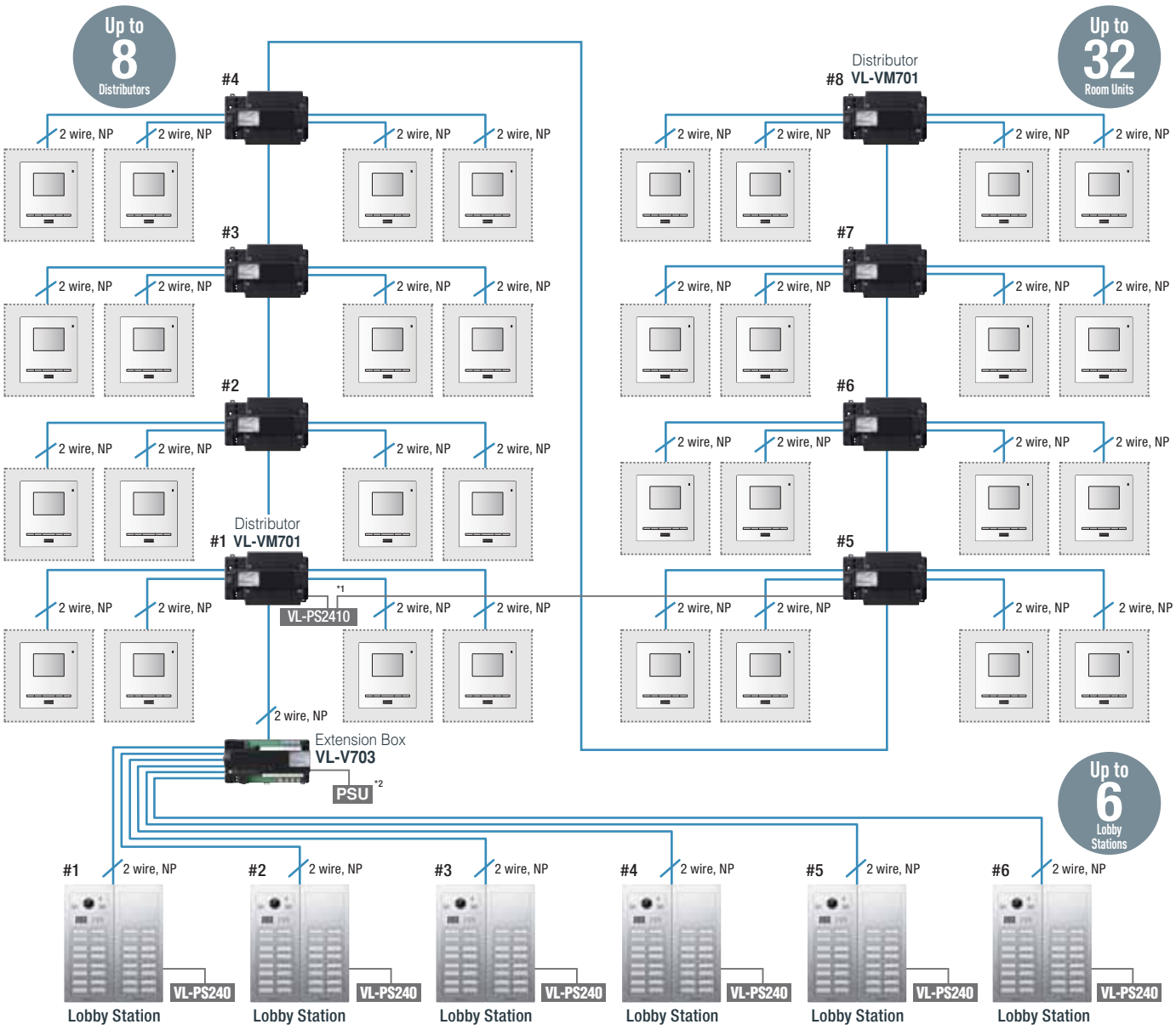


Top view
(view when looking from above)



*1 Excluding sections embedded into the wall.
*2 Water resistance is only assured if the product is installed correctly according to the instructions in the Operating Instructions, and appropriate water protection measures are taken.

Bus Wiring



Wiring distance:

Lobby Station – Furthest Distributor	Up to 100 m (ø0.65 mm) / Up to 200 m (ø1.20 mm)
Distributor (VL-VM701)*3 – Monitor	Up to 100 m (ø0.65 mm) / Up to 200 m (ø1.20 mm)
PSU (VL-PS240) – Lobby Station	Up to 10 m (ø0.65 mm) / Up to 20 m (ø2.0 mm)
PSU (VL-PS2410) – Lobby Station	Up to 50 m (ø0.65 mm) / Up to 100 m (ø2.0 mm)
PSU (VL-PS240/PS2410) – Distributor	Up to 10 m (ø0.65 mm) / Up to 20 m (ø2.0 mm)

NP: Non-Polar
PSU : Power Supply Unit

Power Supply Unit Estimate (For Bus Wiring)

(Unit: pcs.)

Monitor (VL-MV10)	1~4	5~8	9~12	13~16	17~20	21~24	25~28	29~32
Distributor VL-VM701	1	2	3	4	5	6	7	8
Power Supply Unit VL-PS240 (0.6 A)	1	-						
Power Supply Unit VL-PS2410 (2.5 A)	-	1						

(Unit: pcs.)

Monitor (other monitors)	1~4	5~8	9~12	13~16	17~20	21~24	25~28	29~32
Distributor VL-VM701	1	2	3	4	5	6	7	8
Power Supply Unit VL-PS240 (0.6 A)	1				-			
Power Supply Unit VL-PS2410 (2.5 A)	-				1			

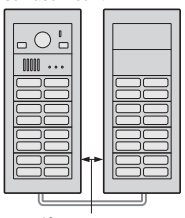
Excludes quantity of Power Supply Units used by Lobby Stations. This is an estimate of a minimal configuration. The actual configuration depends on the installation environment/conditions.

*1 When a VL-MV10 is connected using 1 VL-PS2410 power supply unit
If the system consists of 1 VL-PS2410 and 5 or more distributors are used, connect wiring from the VL-PS2410 to the 1st and 5th distributors.
*2 A Power Supply Unit (VL-PS240) is included with the Extension Box (VL-V703).
*3 Distributor connected to power supply unit (when using VL-MV10)

Lobby Station Components

(Unit: pcs)									
Number of call buttons	32	28	16	13	24	16	8	7	6
VL-VM101	1	1	1	1	1	1	1	1	1
VL-VM301				1					
VL-VM302									1
VL-VM303								1	
VL-VM304	8	7	4	3	6	4	2	1	1
VL-VM901	2	3				2			
VL-VM502/VM503*	VL-VM503: (2)		VL-VM503: (1)		VL-VM502: (2)		VL-VM502: (1)		
VL-VM602/VM603	VL-VM603: 2		VL-VM603: 1		VL-VM602: 2		VL-VM602: 1		
VL-VM801	1	1			1	1			

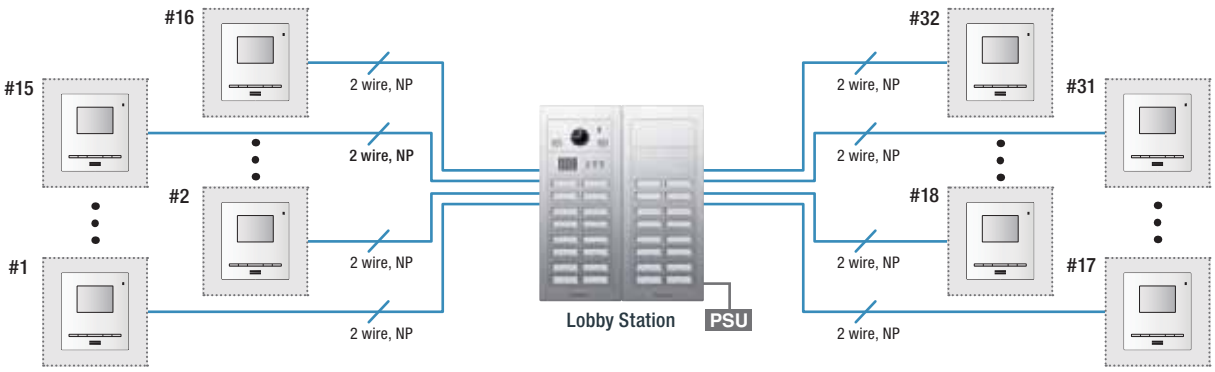
Surface Mount



When the surface mount installation method is used to install 2 Lobby Stations side-by-side, a gap of 60 mm or more is required.

*The surface mount cover cannot be attached when the lobby station is flush mounted. However, make sure to use the surface mount cover when the lobby station is surface mounted.

Star-shaped Wiring



Wiring distance:

Lobby Station – Monitor	Up to 100 m (ø0.65 mm) / Up to 200 m (ø1.20 mm)
PSU (VL-PS240) – Lobby Station	Up to 10 m (ø0.65 mm) / Up to 20 m (ø2.0 mm)
PSU (VL-PS2410) – Lobby Station	Up to 50 m (ø0.65 mm) / Up to 100 m (ø2.0 mm)

Power Supply Unit Estimate (For Star-shaped Wiring)

(Unit: pcs.)

Monitor (VL-MV10)	1~4	5~32
Lobby Station	1	
Power Supply Unit VL-PS240 (0.6A)	1	-
Power Supply Unit VL-PS2410 (2.5A)	-	1

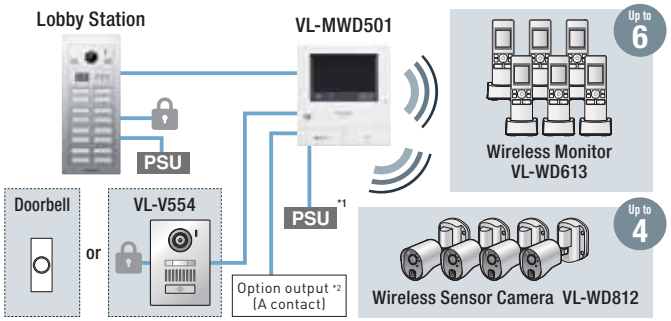
(Unit: pcs.)

Monitor (other monitors)	1~32
Lobby Station	1
Power Supply Unit VL-PS240 (0.6A)	1

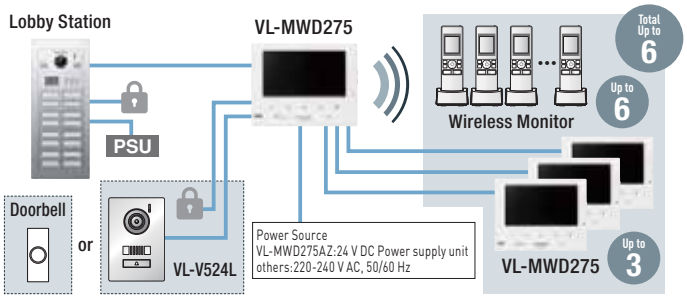
This is an estimate of a minimal configuration.
The actual configuration depends on the installation environment/conditions.

Monitor Lineup

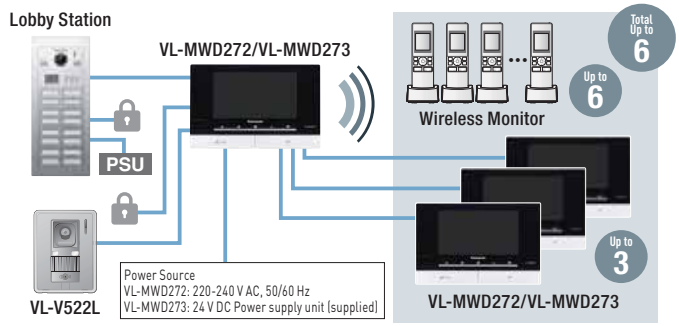
VL-MWD501



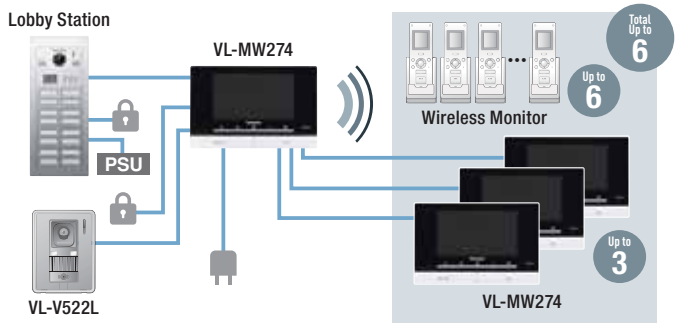
VL-MWD275



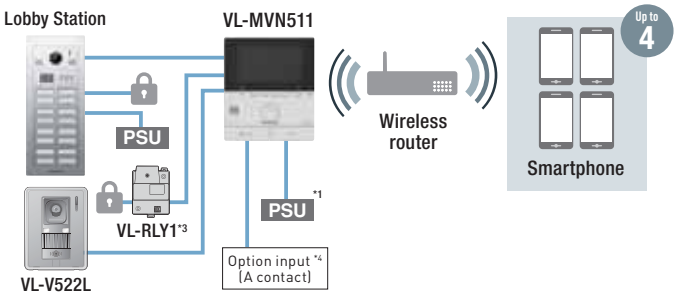
VL-MWD272/VL-MWD273



VL-MW274

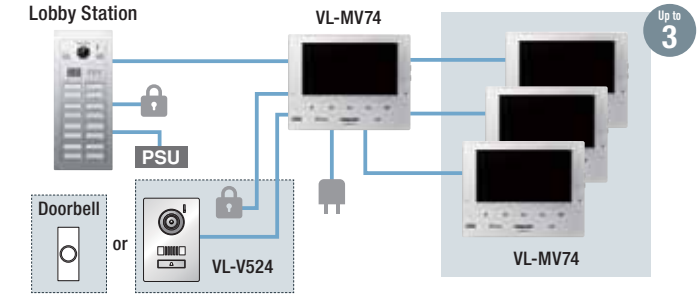


VL-MVN511

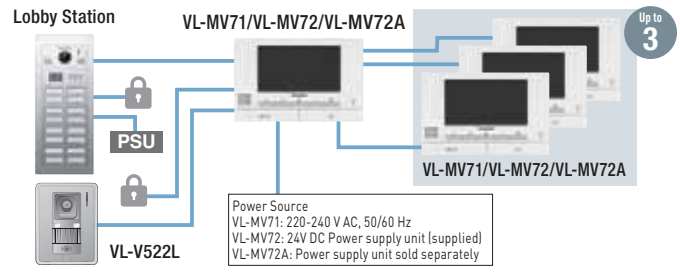


VL-MV74

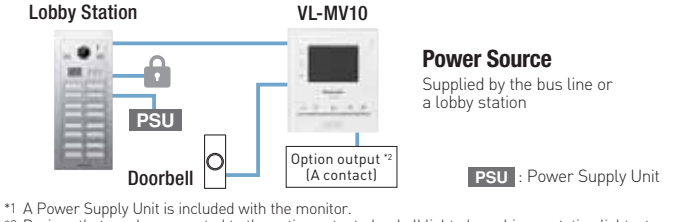
*Wireless monitors NOT supported



VL-MV71/VL-MV72/VL-MV72A



VL-MV10



Power Source
Supplied by the bus line or a lobby station

PSU : Power Supply Unit

*1 A Power Supply Unit is included with the monitor.
*2 Devices that can be connected to the option output: doorbell light, door chime, rotating light, etc.
*3 A Relay Box (VL-RLY1) is NOT included with the monitor (VL-MVN511).
*4 Option inputs can be used to connect 2 sensors.

Multi Door System

Multi Door System

VL-V591AZ/BX/CX/SX/VN

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.

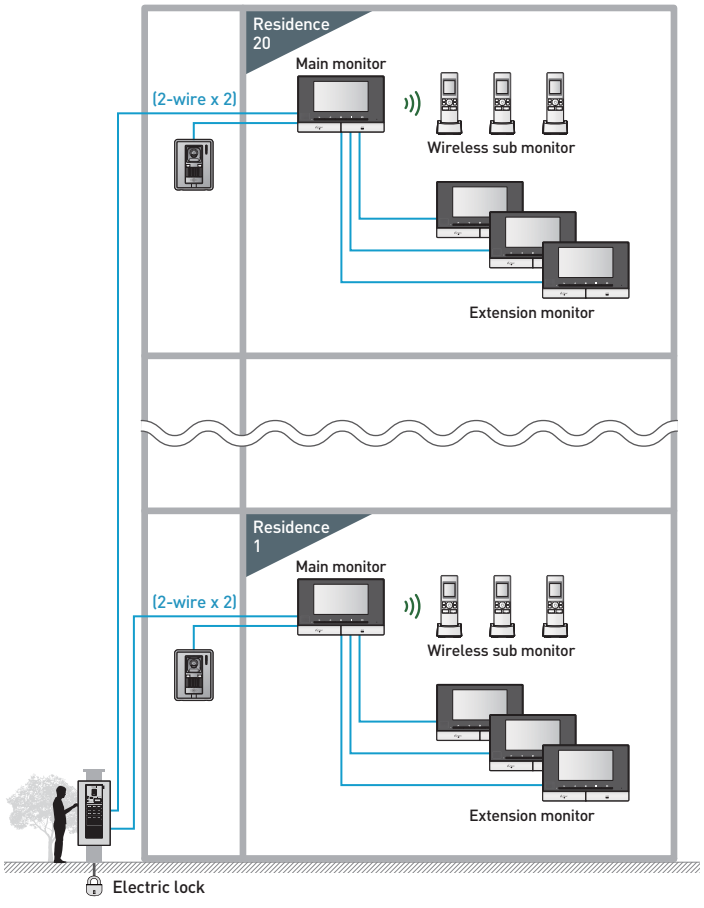
■ Diverse Monitor Line-up

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

VL-MWD501 | VL-MWD272 VL-MWD273 | VL-MWD275 | VL-MW274

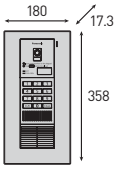
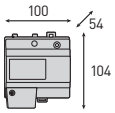
VL-MVN511 | VL-MV75 VL-MV74 | VL-MV72 VL-MV71 | VL-MV30

■ System Configuration Example



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

VL-V591AZ/BX/CX/SX/VN

Model number and name	VL-V591	VL-PS241
	Optional Lobby Station	Power Supply Unit
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS241)	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A
Current consumption	Standby: 0.02 A Operating: 0.03 A	—
Dimensions (H x W x D) (Excluding protruding sections)	358 x 180 x 17.3 mm (Excluding sections embedded into the wall)	104 x 100 x 54 mm
Weight	2.0 kg	215 g
Operating environment	Ambient temperature: Approx. -10 °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)
Display	—	—
Talking method	Hands-free	—
Viewing angle	Horizontally: Approx. 87° Vertically: Approx. 66°	—
Image sensor/camera (pixel)	CMOS sensor (Approx. 0.3 M pixels)	—
Minimum illuminance required	—	—
Lighting method	—	—
Installation method	Flush mount (flush mount box supplied)	Wall mount or attach to DIN rail
External material	Stainless steel and flame retardant ABS resin	Flame retardant PC+ABS resin

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- The software of these products are based in part on the work of the Independent JPEG Group.
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Important
- Safety Precaution: Carefully read the operating instructions and installation manual before using these products.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.
- These systems are not designed to provide complete protection from property loss. To the maximum extent permitted by applicable law, Panasonic will not be held responsible for any damage incurred as a result of property loss.
- When installing or using the product, please take into consideration the rights of others with regard to privacy and rights of portrait.
- This catalog is provided for many countries. Please note that some products may not be available in some countries.

- Actual products may vary slightly from photographs.
- All pictures of the LCD display are simulated.
- The quality of doorphone images may change depending on the installation environment, lighting conditions, etc.
- Weights and dimensions are approximate.
- Design and specifications are subject to change without notice.
- These products may be subject to export control regulations.

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