Panasonic

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Panasonic®

**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.

Analogue

Single House

IP

IP Camera

IP Video Intercom

NVR

Stylish Design and Rich Features

Wireless

Wide angle & PTZ

Pic. & SD-card rec

Voice changer

No, thank you!

No, thank you!
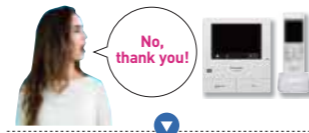
User-friendly & multilingual UI
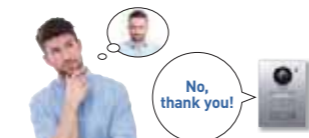
PBX compatible

Easy installation (non polar, 2-wire)

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 2016

1,260,000 Units

22,000 Units

Remote Answering

Smartphone Connect

Touch Screen Monitor

Video Intercom with IP

Video Intercom with Wireless Monitor

Colour Video Intercom

Black & White Video Intercom

Voice Interphone

Bell, Chime

Function/Spec

Panasonic became a market leader in Japan with its Video Intercom with Wireless Monitor

Safety/Convenience

1940 1960 1980 1990 2008 2010 2012 2015 2016

Development

Customer

Sales & Customer Satisfaction

Production

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.

Developing these into the next product

Redeveloping results into the new products

Understand usage condition
- Analysis of context of use
- Web survey
- Analysis of the situation of product returns

Understand usage demand
- Technical trend analysis

Idea planning
- Market surveys
- Assessment by users/home
- Monitor tests

Verification

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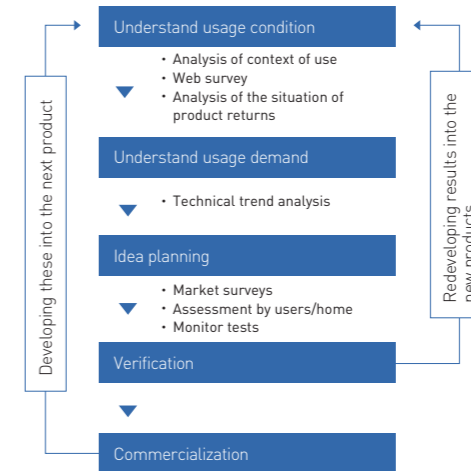
Customer opinions are sought both before and after our products are launched, in an effort to offer the best possible products. Monitor testing is also conducted at the prototype stage. If assessments do not meet expectations, further improvements are made.

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-SWD501

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

Expandable
DECT Wireless Series
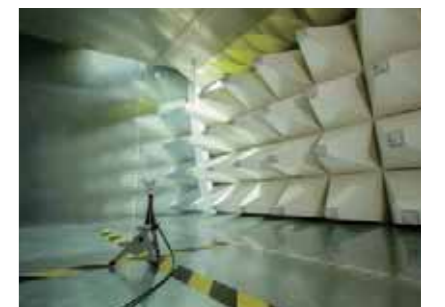### VL-SWD272

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

Smartphone
Connect Series
VL-SVN511

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

Design Series
VL-SV74

1 x Main Monitor: VL-MV74
1 x Door Station: VL-V524

Expandable Series
VL-SV71

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

Entry Series
VL-SV30

1 x Main Monitor: VL-MV30
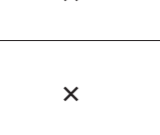1 x Door Station: VL-V566

Comparison Chart

Model Number		VL-SWD501	VL-SWD272	VL-SVN511	VL-SV74	VL-SV71	VL-SV30
Maximum Connectable Units	Door Station (Doorphone)	2 (Die-Cast Aluminium)	2	2	2	2	2
	Main Monitor / Extension Monitor	1 / —	1 / 3	1 / —	1 / 3	1 / 3	1 / —
	Wireless Sub Monitor	6 (DECT)	6 (DECT)	—	—	—	—
	Smartphone, Tablet	—	—	● (4)*1	—	—	—
Recording	Video / Picture Recording	● / ●	— / ●	— / ●	— / ●	— / ●	— / ●
	SD Card Recording	●	—	—	—	—	—
Connectable Devices	Sensor Camera	● (4)	—	—	—	—	—
	Electric Lock Release (Door Opener)	● (2)*2	● (2)	● (2)	● (2)	● (2)	● (2)*2
	Panasonic PBX	—	●	●	●	●	●
	Repeater	● (2)	● (2)	—	—	—	—
Others	Night Vision (LED Light)	●	●	●	●	●	● (Infrared LEDs)
	Touch Panel / Pan & Tilt	● / ●	— / ●*3	— / ●*3	— / ●*3	— / ●*3	— / —
	Wide Angle Camera	● H: 170° V: 115°	— H: 87° V: 66°	— H: 87° V: 66°	— H: 85° V: 54°	— H: 87° V: 66°	— H: 87° V: 66°
	Intercom Call	●	●	—	●	●	●
	Voice Changer	●	●	●	●	●	—

*1 The main monitor must be on the same home wireless network as a smartphone/tablet (with the dedicated app installed).
*2 When connecting 2, an optional door station is required.
*3 These functions are not available for the supplied door station (VL-V522L/VL-V524). You can use these functions with optional door station.

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.)		Power source	Display size	Extension Monitor (Sub monitor)	Sensor Camera VL-WD812	Sub Monitor VL-WD613 2.2-inch	Repeater VL-FKD2	VL-V554/ VL-V554U 1.0 M pixels Aluminium	VL-V555 0.3 M pixels Aluminium	VL-V524 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	Analogue VL-V901 1.0 M pixels Stainless	IP VL-VN1900 2.0 M pixels Aluminium
VL-MWD501 (VL-SWD501)		VL-PS241	5-inch WVGA colour / Touch Panel	×	○ up to 4	● up to 6	○ up to 2	●	○(*4)	×	○(*4)	○(*4)	×	○(*4)	×	×
VL-MWD272 (VL-SWD272/SVD272)		AC	7-inch WVGA colour	○ up to 3 (*5) VL-MWD272	×	● up to 6 (*5)	○ up to 2	○	○	×	●	×	×	○	○	×
VL-MVN511 (VL-SVN511)		VL-PS240 (VL-PS241)	5-inch WQVGA colour	×	×	smartphone connect model		○	○	×	●	○	×	○	×	×
VL-MV74 (VL-SV74)		AC	7-inch WVGA colour / Touch Sensor	○ up to 3 VL-MV74	×	×	×	○(*4)	○(*4)	●	○(*4)	×	×	○(*4)	○(*4)	×
VL-MV71 (VL-SV71) VL-MV72A*6		AC VL-MV72A:*6	7-inch WVGA colour	○ up to 3 VL-MV71 VL-MV72A	×	×	×	○	○	×	●	×	×	○	×	×
VL-MV30 (VL-SV30)		AC	3.5-inch colour	×	×	×	×	×	×	×	●	×	○	×	×
VL-MV26		VL-PS240	3.5-inch QVGA colour	×	×	×	×	×	×	×	×	×	×	○	×
VL-MV26A*6		Power supply unit sold separately	3.5-inch QVGA colour	×	×	×	×	×	×	×	×	×	×	○	×
VL-MN1000		PoE or PoE or VL-PS240*6	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 door station is not available.
* 4 The image quality may be lower than that of the door station included in the package, but this is not a malfunction.
* 5 A total of up to 6 sub monitors and extension monitors can be registered to the main monitor.
* 6 Power supply unit (VL-PS240) is sold separately.

System Configuration Example

Wireless Video Intercom System
VL-SWD501
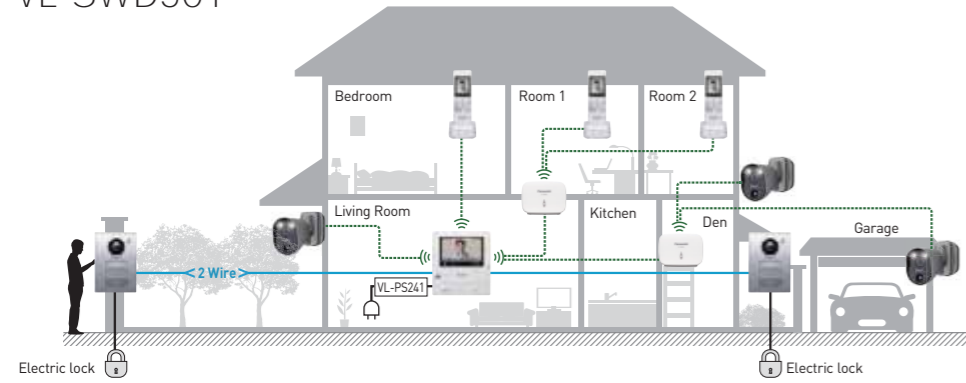
Bedroom | Room 1 | Room 2
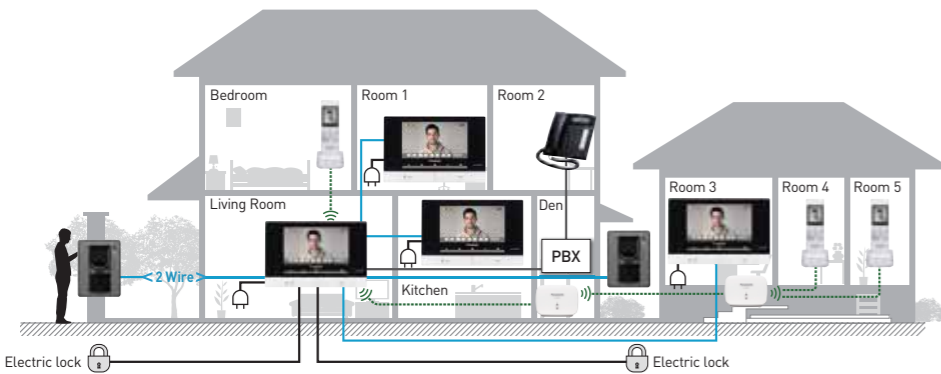Living Room | Kitchen | Den | Garage
< 2 Wire
VL-PS241
Electric lock | Electric lock

System Units

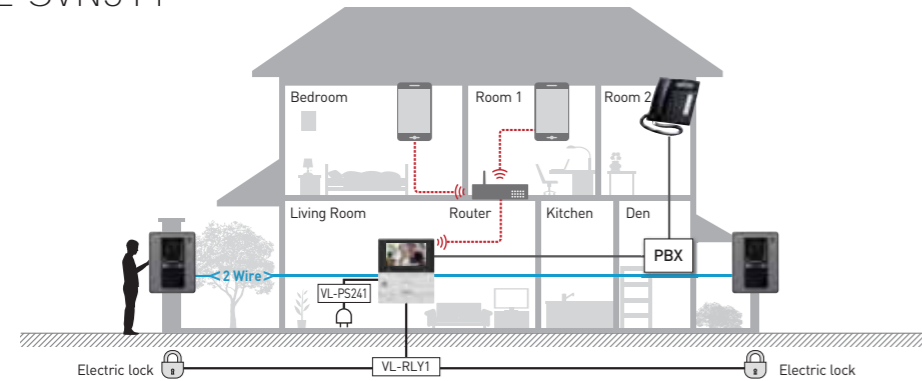| Main Monitor Station VL-MWD501 | Wireless Monitor Station VL-WD613 Up to 6 |
| Door Station VL-V554 Up to 2 | DECT Repeater VL-FKD2 Up to 2 |
| Wireless Sensor Camera VL-WD812 Up to 4 | |

Wireless Video Intercom System
VL-SWD272

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

Bedroom | Room 1 | Room 2
Living Room | Den | Room 3 | Room 4 | Room 5
Kitchen
PBX
< 2 Wire
Electric lock | Electric lock

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**

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

Video Intercom System
VL-SVN511

Bedroom | Room 1 | Room 2
Living Room | Router | Kitchen | Den
PBX
< 2 Wire
VL-PS241
Electric lock | VL-RLY1 | Electric lock

System Units

| Main Monitor Station VL-MVN511 | Door Station VL-V522L Up to 2 |
| Mobile Devices Up to 4 | Panasonic PBX |

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

Video Intercom System
VL-SV74

Bedroom | Room 1 | Room 2
Living Room | Den
Kitchen
PBX
< 2 Wire
Electric lock | Electric lock

System Units

| Main/Extension Monitor VL-MV74 Up to 3* | Door Station VL-V524 Up to 2 |

*not including the main monitor

Panasonic **PBX**

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

Video Intercom System
VL-SV71

Bedroom | Room 1 | Room 2
Living Room | Den
Kitchen
PBX
< 2 Wire
Electric lock | Electric lock
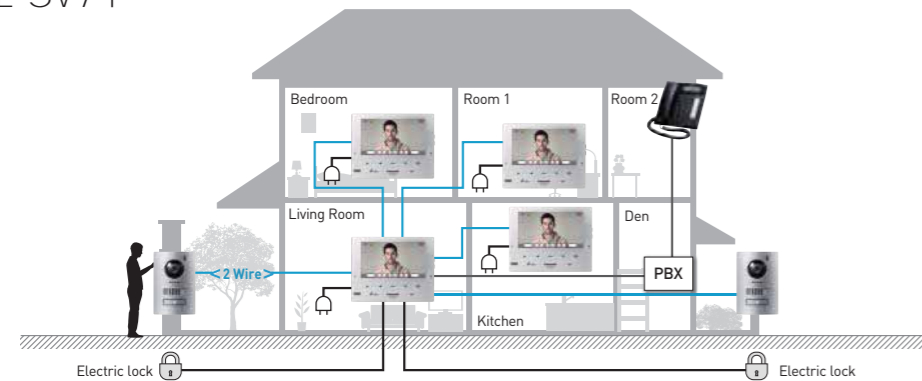
System Units

| Main/Extension Monitor VL-MV71 Up to 3* *not including the main monitor | Door Station VL-V522L Up to 2 |
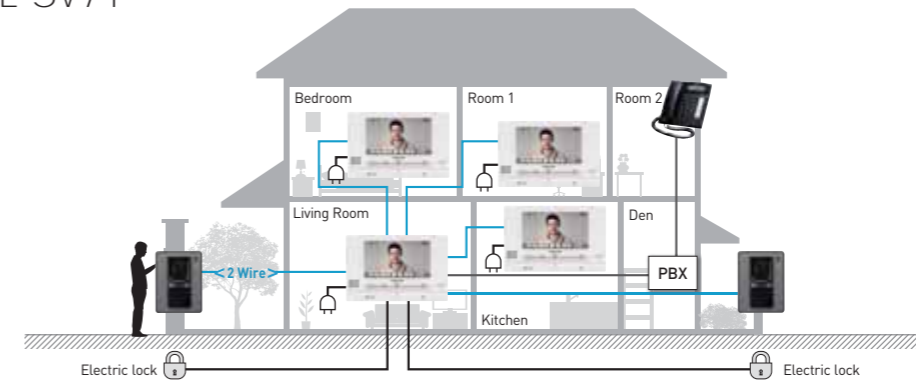
Panasonic **PBX**

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

Video Intercom System
VL-SV30

Bedroom | Room 1 | Room 2
Living Room | Kitchen | Den
PBX
< 2 Wire
Electric lock | Electric lock
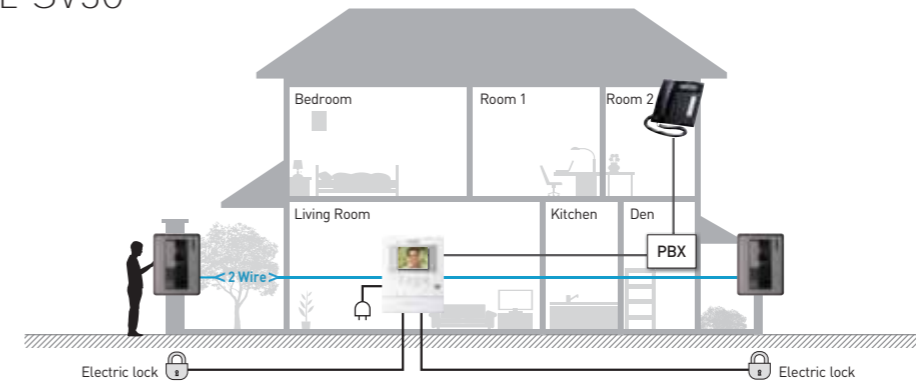
System Units

| Main Monitor Station VL-MV30 | Door Station VL-V566 Up to 2 |

Panasonic **PBX**

This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

Comparison of the wiring

VL-SWD501

VL-V554 | VL-MWD501
AC/DC
PSU
Option output*2 (A contact)
*1 AC/DC
(Optional Door Station)

VL-SWD272

VL-V522L | VL-MWD272
AC/DC
AC/DC
PBX
(Optional Door Station)

VL-SVN511

VL-V522L | VL-MVN511
VL-RLY1
AC/DC
AC/DC
PSU
Option input x 2*3 (A contact)
PBX
(Optional Door Station)

VL-SV74

VL-V524 | VL-MV74
AC/DC
AC/DC
PBX
(Optional Door Station)

VL-SV71

VL-V522L | VL-MV71
AC/DC
AC/DC
PBX
(Optional Door Station)

VL-SV30

VL-V566 | VL-MV30
AC/DC
AC/DC
*1
PBX
(Optional Door Station)

*1 When connecting 2 E-locks, an optional door station is required.
*2 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.
*3 Option inputs can be used to connect 2 sensors.

🔒 : Electric lock

PSU : Power Supply Unit (included with a monitor)

Stylish Premium DECT Wireless Series

Wireless Video Intercom System

VL-SWD501

Up to **2**

5-inch Wide Screen

Up to **6**

< **2 Wire*** >

Door Station
VL-V554

Main Monitor Station
VL-MWD501

Wireless Monitor Station
VL-WD613

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

DECT Wireless

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

Up to **6**

Up to **4**

Up to **2**

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 acti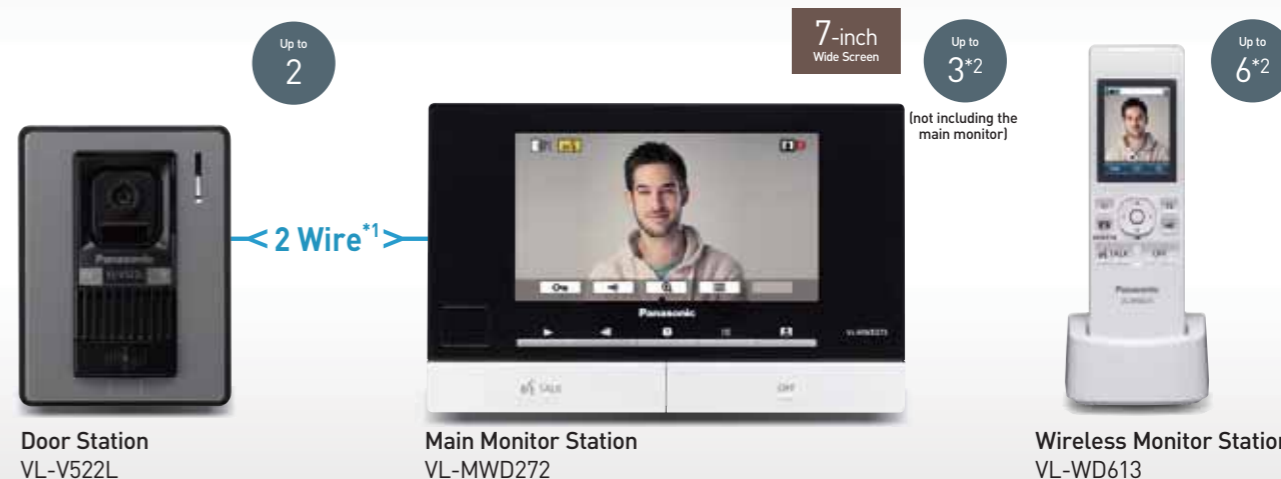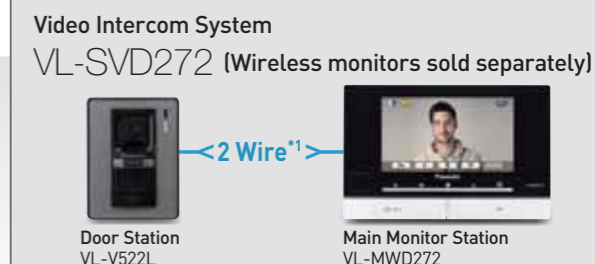vate an approximate 2x zoom horizontally and vertically. This makes it easy for everyone to see, and provides an easy-to-use operating screen.

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)

Expandable DECT Wireless Series

Wireless Video Intercom System

VL-SWD272

Up to **2**

7-inch Wide Screen

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

Up to **6*2**

< **2 Wire*1** >

Door Station
VL-V522L

Main Monitor Station
VL-MWD272

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.

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

								Related Product
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	Door Station (Doorphone) VL-V522L (Surface mount) (CMOS 0.3 M pixels)	Wireless Monitor Station (Sub Monitor) VL-WD613	Wireless Sensor Camera VL-WD812	DECT Repeater VL-FKD2	Lobby Station VL-V591		Main Monitor Station (Main Monitor) VL-MWD501
Up to 2		Up to 2	Up to 6	Up to 4	Up to 2	Up to 20 main monitors can be connected.		
	(VL-MB554 included with VL-V554U)							

Options

Extension Monitor VL-MWD272	Door Station (Doorphone) VL-V522L (Surface mount) (CMOS 0.3 M pixels)	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	Wireless Monitor Station (Sub Monitor) VL-WD613	DECT Repeater VL-FKD2	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
Up to 3	Up to 2	Up to 2		Up to 6	Up to 2		Please consult your dealer when connecting with a PBX. This image shows the KX-NS500.
			(VL-MB554 included with VL-V554U)				

Smartphone Connect Series

Video Intercom System
VL-SVN511

5-inch Wide Screen

Up to **2**

< **2 Wire*** >

Door Station
VL-V522L

Main Monitor Station
VL-MVN511
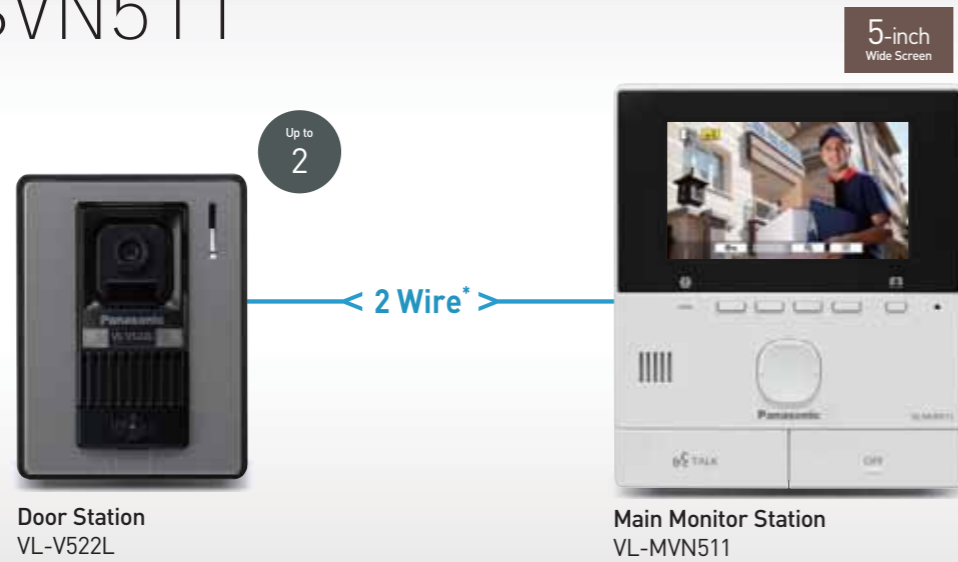
* Easy installation by simply replacing existing doorbell unit Nonpolar 2-wire system.

Smartphone Connect*1

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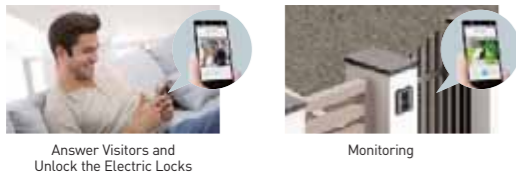
Answer Visitors and Unlock the Electric Locks

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.

VL-MVN511
Wireless network
Router Modem
Internet
Up to **4**
Mobile devices
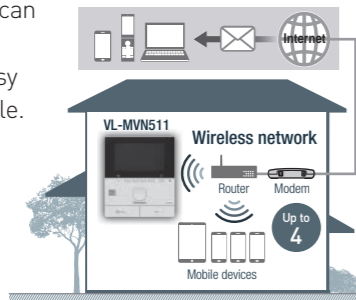
E-mail Notification*2

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

Other Features

- Supports iOS and Android™ (free application)*
  - iPhone 5 and later, iPad (iOS 7.0 or later)
  - Android smartphones and tablets (Android 4.0 or later)
- Electric Lock Release Support: VL-RLY1 (12 V AC/DC, less than 1 A)
- Picture Recording (Up to 50 visitors (up to 8 still images per visitor))
- Night Vision (white coloured LED lights)
- Voice Changer

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

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

Options

Door Station (Doorphone) VL-V522L (Surface mount) (CMOS 0.3 M pixels)	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	Lobby Station Up to 20 Rooms VL-V591 Up to 2,240 Rooms VL-V901	PBX	Connectable PBX Model Numbers
Up to **2**	Up to **2**	(VL-MB554 included with VL-V554U)		This image shows the KX-NS500.	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 a smartphone/tablet (with the dedicated app installed). It is also necessary to run the dedicated app in order to receive visitor's calls on a smartphone/tablet.
*2 To use this function, a main monitor with e-mail sender information registered must be connected to the internet. E-mail may not be able to be sent, depending on the condition of the network.

Expandable Series

Video Intercom System
VL-SV74 S
(Silver)

Up to **2**

< **2 Wire*** >

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

7-inch Wide Screen

Door Station
VL-V524

Main Monitor Station
VL-MV74 S

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

VL-SV74 W (White)

< **2 Wire*** >

Door Station
VL-V524

Main Monitor Station
VL-MV74 W

Sophisticated Design

Particular attention has been paid to the materials and coatings used for the surface of the door station, resulting in a gently curved, metallic-looking design.

21.5 mm

Thin Monitor

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

Fully flat design
7-inch
Touch sensor key
25 mm
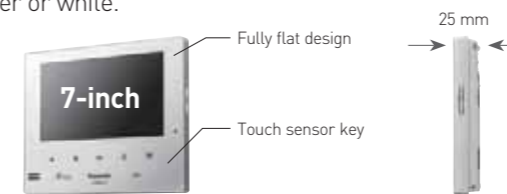
* The thinnest intercom with built-in power supply produced by Panasonic.

Improve Image Quality

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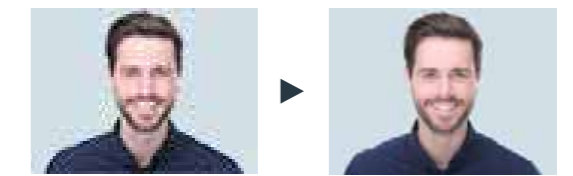
Pictures are simulated.

Other Features

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

Options

Extension Monitor VL-MV74 S (Silver) VL-MV74 W (White)	Door Station (Doorphone) VL-V524 (CMOS 1.3 M pixels)	Flush Mount Box for VL-V524 VL-MB524	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	Door Station (Doorphone) VL-V522L (Surface mount) (CMOS 0.3 M pixels)	Lobby Station Up to 20 Rooms VL-V591 Up to 2,240 Rooms VL-V901	PBX Connectable PBX Model Numbers
Up to **3**	Up to **2**		Up to **2**	(VL-MB554 included with VL-V554U)	Up to **2**		KX-TDA30/100/100D/200/600 series KX-TDE100/200/600 series KX-NS300/500/700/1000 series Please consult your dealer when connecting with a PBX. This image shows the KX-NS500.

Expandable Series

Video Intercom System
VL-SV71

7-inch Wide Screen

Up to **2**

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

< 2 Wire* >

Door Station
VL-V522L

Main Monitor Station
VL-MV71

*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.

Up to **3**

Picture Recording
(8 Consecutive recorded images each)

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

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

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 VL-MV71	Door Station (Doorphone) VL-V522L (Surface mount) (CMOS 0.3 M pixels)	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	Lobby Station Up to 20 Rooms VL-V591 Up to 2,240 Rooms VL-V901	PBX

Up to **3**

Up to **2**

Up to **2**

(VL-MB554 included with VL-V554U)

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

Please consult your dealer when connecting with a PBX.

This image shows the KX-NS500.

Entry Series

Video Intercom System
VL-SV30

3.5-inch Wide Screen

Up to **2**

< 2 Wire* >

Door Station
VL-V566

Main Monitor Station
VL-MV30

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

3.5-inch colour TFT LCD

This monitor features a 3.5-inch wide LCD. As the monitor, it lets you clearly identify visitors.

Picture Recording

Up to 30 visitor images are automatically recorded and saved. You can check them when you return home.

Night Vision
(IR-LEDs)

You can check visitors even when it's dark outside.

* The actual colour displayed on the monitor may change depending on how dark it is outside.

Other Features

• Electric Lock Release Support (Door Opener)

Options

Door Station (Doorphone) VL-V566 (Surface mount) (CMOS 0.3 M pixels)	Lobby Station VL-V591 (CMOS 0.3 M pixels)	PBX

Up to **2**

Up to 20 main monitors can be connected.
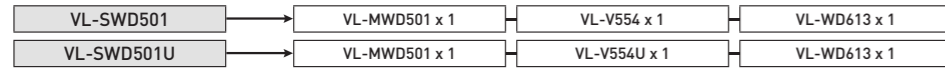
This image shows the KX-NS500.

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.

VL-SWD501

■ Model Composition

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

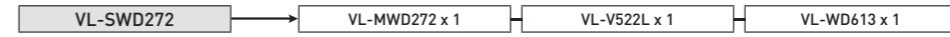| Model number and name	VL-MWD501	VL-V554 (Surface mount) VL-V554U (Flush mount)	VL-WD613	
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	
			Main body	Charger
Dimensions (Unit: mm)	165 / 21 / 180	Up to 2 — 118 / 35.8 / 30 / 169	Up to 6 — 52 / 30 / 173	81 / 76 / 43
Power source	Power supply unit (VL-PS241) 24 V DC, 0.5 A (VL-PS241 supplied)	Supplied by the main monitor 20 V DC, 0.23 A	Rechargeable Ni-MH (AAA x 2)	AC adaptor Output: 5.5 V DC, 0.5 A
Power consumption	Standby: Approx. 1.4 W* Operating: Approx. 10 W* *Measurement conditions: VL-V554/V554U (1 pcs.) is connected to the Main Monitor	—	—	Standby: Approx. 0.4 W (when the sub monitor is not placed in the charger) During charging: Approx. 1.4 W
Dimensions (H x W x D) (Excluding protruding sections)	180 x 165 x 21 mm	VL-V554: 169 x 118 x 30 mm VL-V554U: 169 x 118 x 16.5 mm (excluding sections embedded into the wall)	173 x 52 x 30 mm	43 x 81 x 76 mm
Weight	470 g	VL-V554: 405 g VL-V554U: 345 g	160 g (including the batteries)	70 g (excluding the AC adaptor)
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	5-inch wide colour / WVGA (800x480 pixels) 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	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main monitor)	—
Option output (A contact)	Rated load: 24 V AC/DC, 0.3 A or lower Minimum applicable load: 5 V DC, 0.001 A (Output when there is a call from the 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*1 / 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	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)	Up to 4 — 118 / 290 / 160 / 142 / 94	100 / 54 / 104	Up to 2 — 111 / 39 / 82
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 Output: 6.5 V DC, 0.5 A
Power consumption	During standby: Approx. 1.5 W Operating: Approx. 4.5 W (when the LED lights are not lit), Approx. 8 W (when the LED lights are lit)	—	During standby: Approx. 1.5 W Operating: Approx. 2.3 W (when transmitting)
Dimensions (H x W x D)	160 x 118 x 290 mm (when the camera is front facing and including the wall mount bracket)	104 x 100 x 54 mm	82 x 111 x 39 mm
Weight	960 g	215 g	88 g (excluding the AC adaptor)
Operating environment	Ambient temperature: Approx. -20 °C to +50 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Frequency range	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz
Transmitting range	Approx. 100 m (line-of-sight distance from the main monitor)	—	Approx. 100 m (line-of-sight distance from the main monitor)
Angular field of view (camera angle)	Horizontal: Approx. 53° Vertical: Approx. 41°	—	—
Image sensor	0.3 M pixels CMOS	—	—
Minimum illuminance required	1 lx*2	—	—
Lighting method	2 white coloured LED lights*3	—	—
Sensor detection range	Heat sensor (when the surrounding temperature is approx. 20 °C) Horizontal: Approx. 63°, vertical: Approx. 20°, detection range: Approx. 5 m Motion detection sensor Horizontal: Approx. 53°, vertical: Approx. 41°	—	—
Sensor detection method	Pyroelectric infrared sensor (heat sensor) and motion detection	—	—
Adjustable mounting angles	Horizontal: ±90°, vertical: facing forward - facing down approx. 60° (adjustable when mounting)	—	—
Heat sensor adjustable angles	Manually adjustable to 2 angles	—	—
IP rating	IP54*1	—	—
Installation method	Wall mount (wall mount bracket supplied)	Wall mount or attach to DIN rail	—
External material	PC+ABS resin	Flame retardant PC+ABS resin	PS resin

*1 Water resistance is only assured if the door station/the camera is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken. Do not install the camera in areas directly exposed to water or rain. *2 The minimum illuminance required when the camera's [Brightness] setting is set to [+3]. *3 Approx. 8.5 lx when 3 m in front of the camera, and approx. 4 lx when 3 m away and 20° to the left or right of the camera.
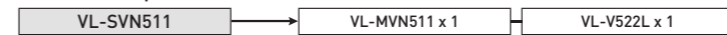
VL-SWD272

■ Model Composition

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

Model number and name	VL-MWD272	VL-V522L	VL-WD613	
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	
			Main body	Charger
Dimensions (Unit: mm)	Up to 3*1 — (not including the main monitor) 243 / 29.5 / 158	Up to 2 — 99 / 36.5 / 131	Up to 6*1 — 52 / 30 / 173	76 / 81 / 43
Power source	220-240 V AC, 50/60 Hz	Supplied by the main monitor	Rechargeable Ni-MH (AAA x 2)	AC adaptor Output: 5.5 V DC, 0.5 A
Power consumption	Standby: Approx. 2.5 W* Operating: Approx. 10 W* *Measurement conditions: VL-V522L (1 pcs.) is connected to the Main Monitor	—	—	Standby: Approx. 0.4 W (when the sub monitor is not placed in the charger) During charging: Approx. 1.4 W
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	131 x 99 x 36.5 mm	173 x 52 x 30 mm	43 x 81 x 76 mm
Weight	875 g*2	200 g	160 g (including the batteries)	70 g (excluding the AC adaptor)
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	7-inch wide colour / WVGA (800x480 pixels)	—	2.2-inch colour / QVGA (320x240 pixels)	—
Display language	English, Arabic	—	Depends on main monitor	—
Talking method	Hands-free	Hands-free	Hands-free	—
Frequency range	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main monitor)	—
Viewing angle	—	Horizontally: Approx. 87° Vertically: Approx. 66°	—	—
Image sensor / camera (pixel)	—	CMOS sensor (Approx. 0.3 M pixels)	—	—
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	—	Warm white coloured LED lights, Infrared LEDs	—	—
IP rating / IK rating	—	IPX3*3	—	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)	—	—
External material	Flame retardant PC+ABS resin, Flame retardant ABS resin	Flame retardant ABS resin	ABS resin	ABS resin

*1 When sub monitors and extension monitors are used together, a total of up to 6 sub monitors and extension monitors can be registered.
*2 Including AC cable. The weight of the AC cable differs depending on the region.
*3 Water resistance is only assured if the door station is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken.

VL-SVN511

■ Model Composition

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

Model number and name	VL-MVN511	VL-V522L	VL-PS241	VL-RLY1
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Power Supply Unit	Relay Box
Dimensions (Unit: mm)	161 / 23.5 / 186	Up to 2 — 99 / 36.5 / 131	100 / 54 / 104	78 / 38 / 92
Power source	Power supply unit (VL-PS241) 24 V DC, 0.6 A	Supplied by the main monitor	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Supplied by the main monitor
Power consumption	Standby: Approx. 1.8 W* Operating: Approx. 10 W* *Measurement conditions: VL-V522L (1 pcs.) is connected to the Main Monitor	—	—	—
Dimensions (H x W x D) (Excluding protruding sections)	186 x 161 x 23.5 mm	131 x 99 x 36.5 mm	104 x 100 x 54 mm	92 x 78 x 38 mm
Weight	485 g	200 g	215 g	130 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	5-inch wide colour / 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	Wall mount or attach to DIN rail
External material	Flame retardant ABS and PS resin	Flame retardant ABS resin	Flame retardant PC+ABS resin	Flame retardant ABS resin

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

VL-SV74

■ Model Composition

VL-SV74 → VL-MV74 x 1 | VL-V524 x 1

Model number and name	VL-MV74S (silver) VL-MV74W (white)	VL-V524
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)
Dimensions (Unit: mm)	Up to 3	Up to 2 / (Flush Mount Box) VL-MB524 (sold separately)
Power source	220-240 V AC, 50/60 Hz	Power supplied by the main monitor
Power consumption	Standby: 2.3 W* Operating: 11.3 W* *Measurement conditions: VL-V524 (1 pcs.) is connected to the Main Monitor	—
Dimensions (H x W x D) (Excluding protruding sections)	158 x 201 x 25 mm	152 x 102 x 35.5 (21.5)*1 mm
Weight	760 g*2	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) with touch sensor	—
Display language	English, Arabic, Vietnamese	—
Talking method	Hands-free	
Viewing angle	—	Horizontally: Approx. 85° Vertically: Approx. 54°
Image sensor / camera (pixel)	—	1/3 inch CMOS sensor / Approx. 1.3 M pixels
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)
Lighting method	—	LED lights
IP rating / IK rating	—	IP44*3
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied) Flush mount (mount box sold separately)
External material	Flame retardant ABS resin	Flame retardant resin

*1 Excluding sections embedded into the wall.
*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-SV71

■ Model Composition

VL-SV71 → VL-MV71 x 1 | VL-V522L x 1

Model number and name	VL-MV71	VL-V522L
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)
Dimensions (Unit: mm)	Up to 3	Up to 2
Power source	220-240 V AC, 50/60 Hz	Supplied by the main monitor
Power consumption	Standby: Approx. 2.0 W* Operating: Approx. 10.5 W* *Measurement conditions: VL-V522L (1 pcs.) is connected to the Main Monitor	—
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	131 x 99 x 36.5 mm
Weight	875 g*2	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	—
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-SV30

■ Model Composition

VL-SV30 → VL-MV30 x 1 | VL-V566 x 1

Model number and name	VL-MV30	VL-V566
	Main Monitor Station (Main monitor)	Door Station (Doorphone)
Dimensions (Unit: mm)		Up to 2
Power source	100-240 V AC, 50/60 Hz	Supplied by the main monitor
Current consumption	Standby: Approx. 0.04 A* Operating: Approx. 0.22 A* *Measurement conditions: VL-V566 (1 pcs.) is connected to the Main Monitor	—
Dimensions (H x W x D) (Excluding protruding sections)	195 x 148 x 36 mm	131 x 99 x 36.5 mm
Weight	550 g	200 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C, Relative humidity (non condensing): up to 90 %	Ambient temperature: Approx. -10 °C to +50 °C, Relative humidity (non condensing): up to 90 %
Display	3.5-inch colour / QVGA (320x240 pixels)	—
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	—	1 lx (within approx. 50cm from the camera lens)
Lighting method	—	Infrared LEDs
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)
External material	Flame retardant ABS resin	Flame retardant ABS resin

VL-V591

Model number and name	VL-V591	VL-PS241
	Optional Lobby Station	Power Supply Unit
Dimensions (Unit: mm)	180 / 17.3 / 358	100 / 54 / 104
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: Approx. 0.02 A Operating: Approx. 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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Multi Door System

Multi Door System
VL-V591

Lobby Station for Small Apartment, Office or Commercial Building

■ 10 Keys and LED Indicator

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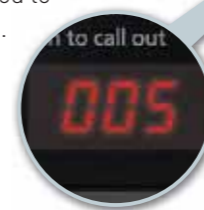
■ Diverse Monitor Line-up

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

VL-MWD272   VL-MWD501   VL-MVN511

VL-MV74   VL-MV71   VL-MV30

■ System Configuration Example

Residence 20
Main monitor
(2-wire x 2)
Wireless sub monitor
Extension monitor

Residence 1
Main monitor
(2-wire x 2)
Wireless sub monitor
Extension monitor
Electric lock
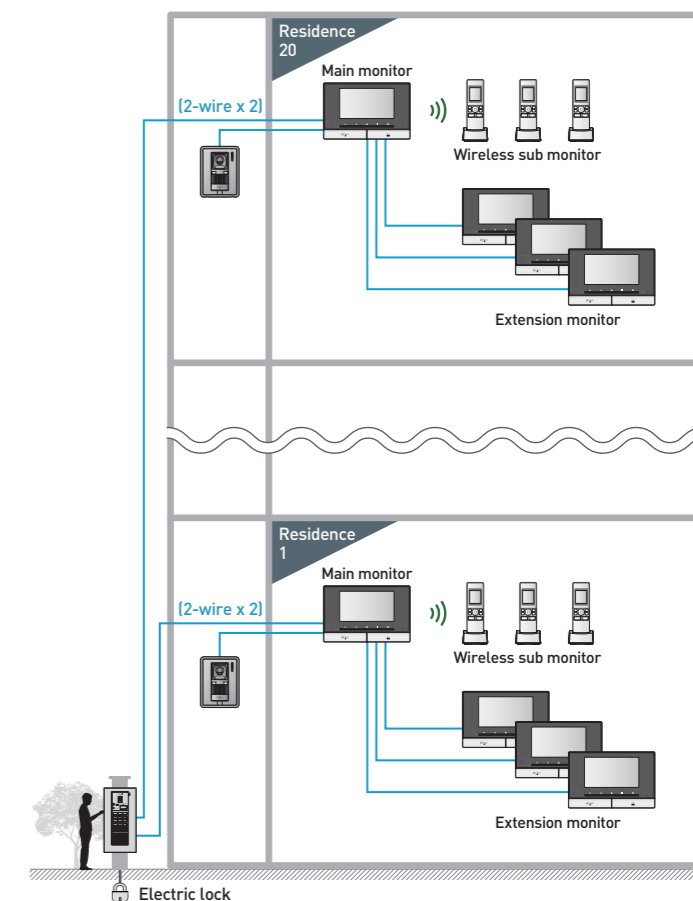
- Up to 20 main monitors connectable
- Electric Lock Release Support
- Door Unlocking via PIN Code
- Adjustable Camera Angle

IP Video Intercom System
for Apartment Complexes

One Panasonic Solution

Greater peace of mind with interconnected Panasonic IP products

IP Video Intercom

IP Camera

SIP Phone

NVR

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/.

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 door bell input

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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 grouped 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
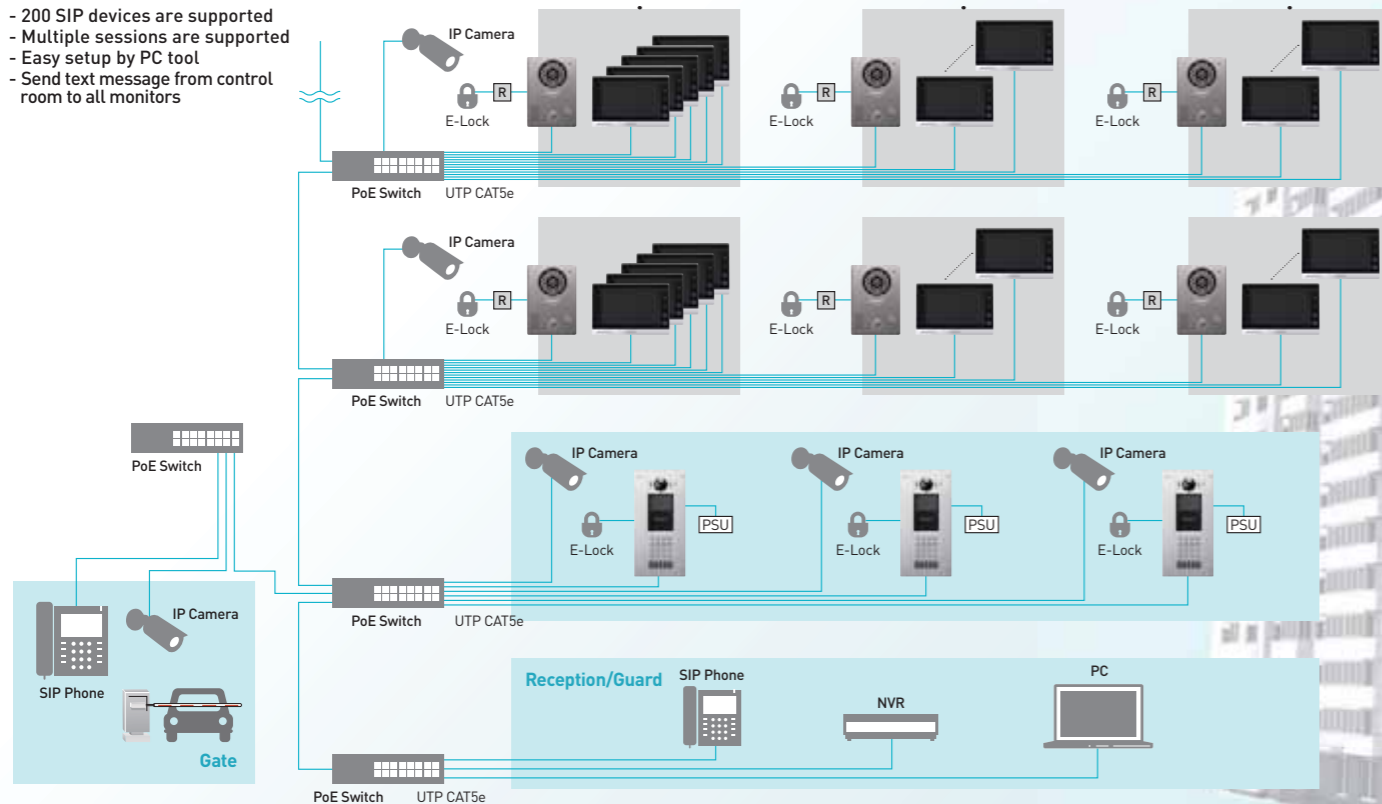* External mail server and an internet connection are required.

System Diagram of the IP Apartment System

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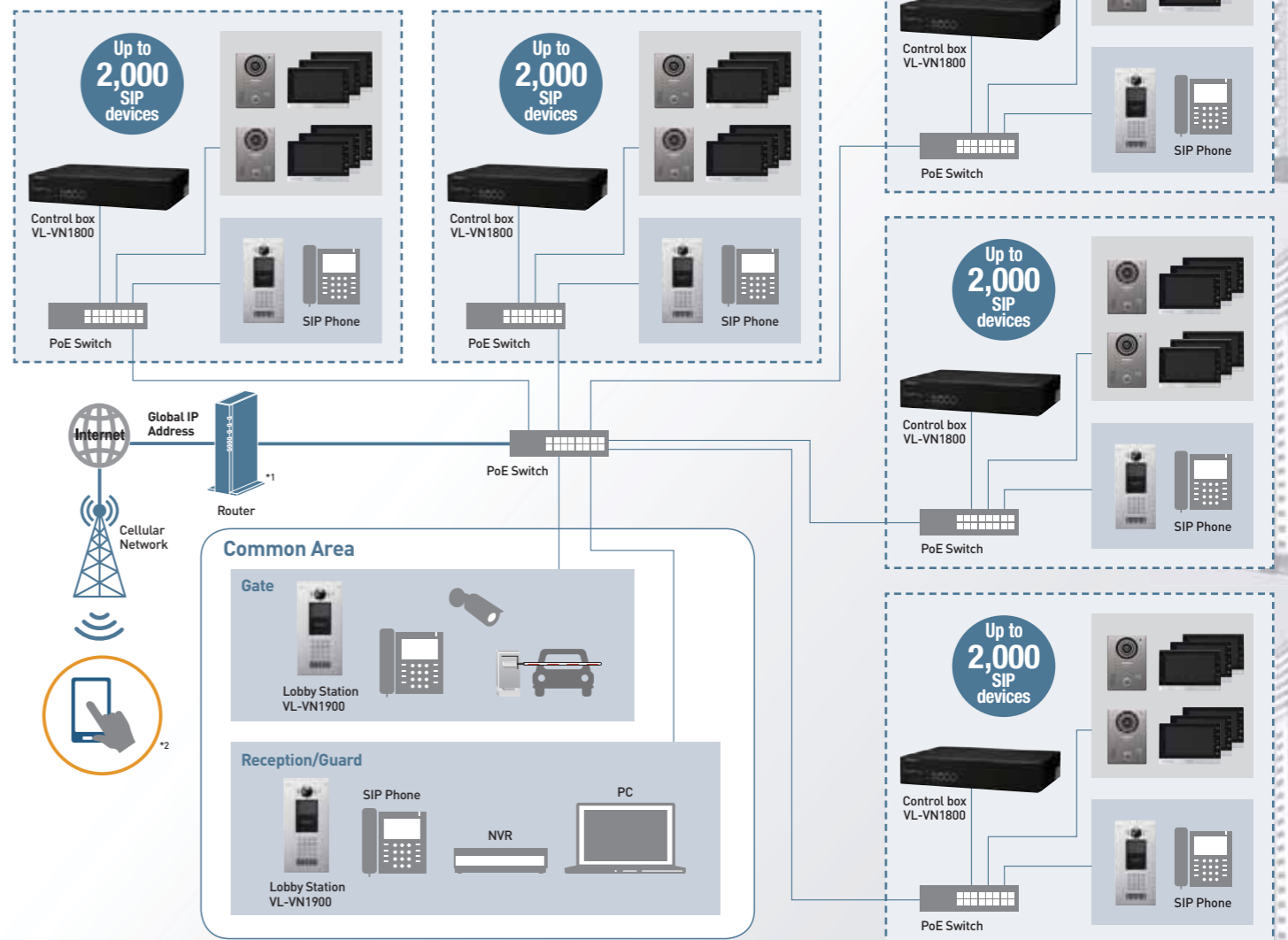
Up to 200 SIP devices

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

IP Camera
E-Lock
R
PoE Switch   UTP CAT5e

IP Camera
E-Lock
R
PoE Switch   UTP CAT5e

IP Camera
PSU
E-Lock
PoE Switch   UTP CAT5e

PoE Switch

IP Camera
SIP Phone
Gate

Reception/Guard   SIP Phone   NVR   PC

PoE Switch   UTP CAT5e

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

Cellular Network
Internet
Global IP Address
Router   *1
*2

Control box VL-VN1800
PoE Switch

SIP Phone
IP Camera
Gate

R : Relay box [VL-RLY1]

IP Camera
E-Lock
R
PoE Switch   UTP CAT5e

IP Camera
E-Lock
R
PoE Switch   UTP CAT5e

IP Camera
E-Lock
R
PoE Switch   UTP CAT5e

IP Camera
E-Lock
R
PoE Switch   UTP CAT5e

IP Camera   IP Camera   IP Camera
PSU   PSU   PSU
E-Lock   E-Lock   E-Lock
PoE Switch   UTP CAT5e

Reception/Guard   SIP Phone   NVR   PC

PoE Switch   UTP CAT5e

*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.

20

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
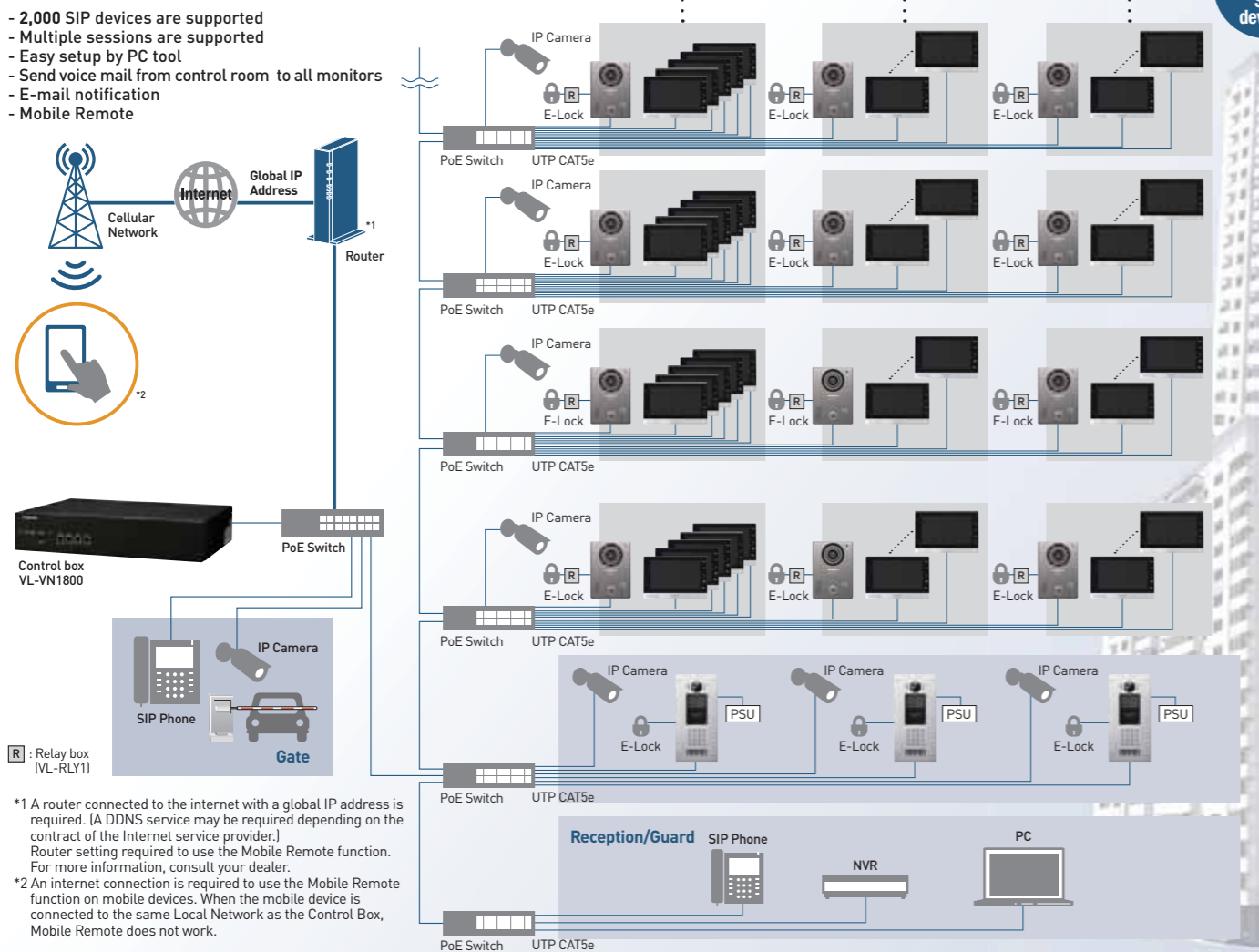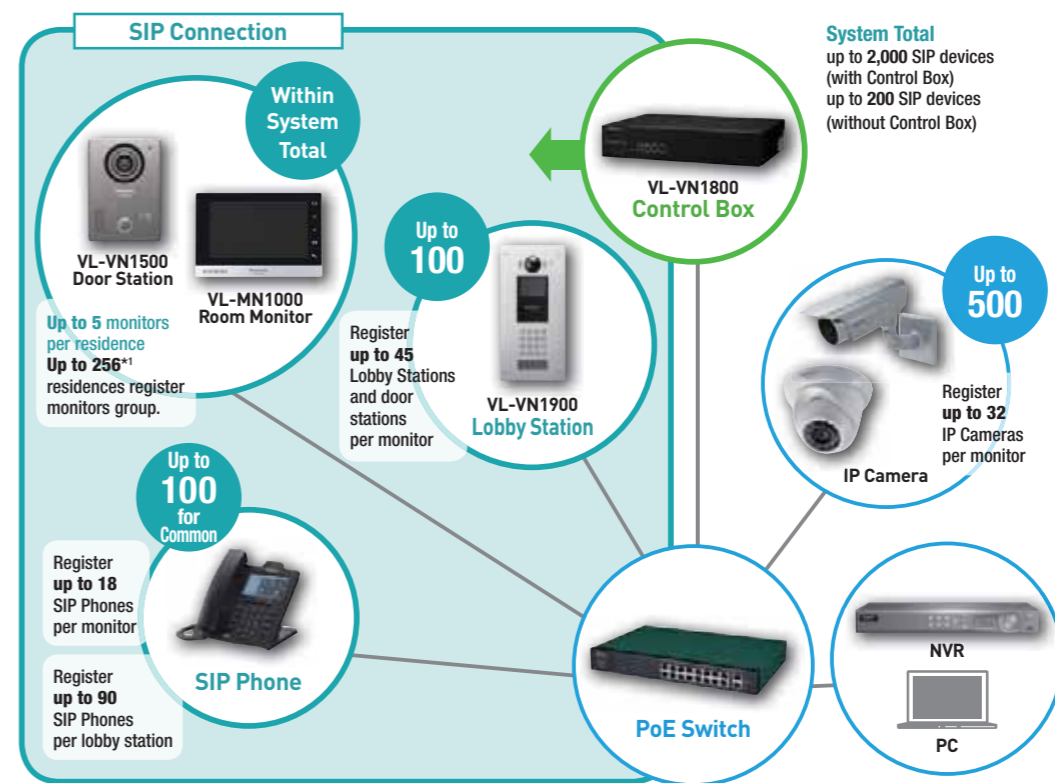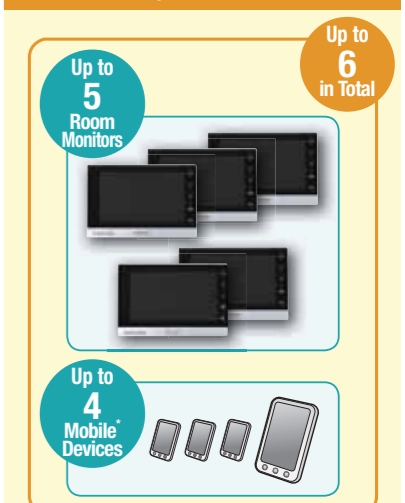 (When multiple Control Boxes are installed, a message must be left on each Control Box.)

Up to 2,000 SIP devices

Control box VL-VN1800
PoE Switch   SIP Phone

Up to 2,000 SIP devices

Control box VL-VN1800
PoE Switch   SIP Phone

Up to 2,000 SIP devices

Control box VL-VN1800
PoE Switch   SIP Phone

Up to 2,000 SIP devices

Control box VL-VN1800
PoE Switch   SIP Phone

Up to 2,000 SIP devices

Control box VL-VN1800
PoE Switch   SIP Phone

Internet
Global IP Address
Cellular Network
Router   *1
*2
PoE Switch

Common Area

Gate
Lobby Station VL-VN1900

Reception/Guard
Lobby Station VL-VN1900
SIP Phone   NVR   PC

Maximum connectable number of devices per Control Box

SIP Connection

System Total
up to **2,000** SIP devices (with Control Box)
up to **200** SIP devices (without Control Box)

VL-VN1800 **Control Box**

Within System Total

VL-VN1500 Door Station
VL-MN1000 Room Monitor

Up to 5 monitors per residence
Up to 256*1 residences register monitors group.

Up to 100
Register up to 45 Lobby Stations and door stations per monitor

VL-VN1900 **Lobby Station**

Up to 500
Register up to 32 IP Cameras per monitor

IP Camera

Up to 100 for Common

Register up to 18 SIP Phones per monitor

Register up to 90 SIP Phones per lobby station

SIP Phone

PoE Switch

NVR

PC

Maximum connectable number of monitors per Residence

Up to 5 Room Monitors

Up to 6 in Total

Up to 4 Mobile* Devices

*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/

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Panasonic

VL-V901

Analogue
Video Intercom System
for Apartment Complexes

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.
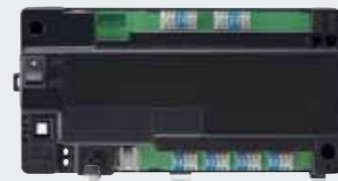
Features

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

Lobby Station
VL-V901

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

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

Control Box
VL-V700

Device for controlling the entire system

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)

Main Monitor Line Up

	VL-MWD272/VL-MV71/VL-MV72A	VL-MV74	VL-MVN511	VL-MV26/VL-MV26A
	VL-MV71 VL-MV72A VL-MWD272		VL-PS240 (Power Supply Unit)	VL-PS240 (Power Supply Unit) for VL-MV26 only
Power source	VL-MWD272/VL-MV71: 220-240 V AC (50/60 Hz) VL-MV72A: Power supply unit (sold separately)	220-240 V AC (50/60 Hz)	Power supply unit (VL-PS240) 24 V DC, 0.5 A	VL-MV26: Power supply unit (VL-PS240) VL-MV26A: Power supply unit (sold separately)
Power consumption (approx.) — Standby:	VL-MWD272: 2.5 W VL-MV71: 2.0 W VL-MV72A: 1.6 W*1, 1.7 W*2	2.3 W	1.8 W	VL-MV26: 1.2 W VL-MV26A: 1.2 W*1, 1.3 W*2
Power consumption — Operating:	VL-MWD272: 10.0 W VL-MV71: 10.5 W VL-MV72A: 9.8 W*1, 9.9 W*2	11.3 W	10 W	VL-MV26: 8.0 W VL-MV26A: 8.0 W*1, 8.1 W*2
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	158 x 201 x 25 mm	186 x 161 x 23.5 mm	169 x 129 x 29 mm
Weight	VL-MWD272/MV71: 875 g*3 VL-MV72A: 710 g	760 g*3	485 g	330 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C, Relative humidity (non-condensing): up to 90 %			
Display	7-inch wide colour / WVGA (800x480 pixels)	7-inch wide colour / WVGA (800x480 pixels) with touch sensor	5-inch wide colour / WQVGA (480x272 pixels)	3.5-inch colour / QVGA (320x240 pixels)
Display language	English, Arabic	English, Arabic, Vietnamese	English, Arabic	English
Frequency range	1.88 GHz to 1.90 GHz (VL-MWD272 only)	-	IEEE 802.11 b/g/n 2.4 GHz	-
Installation method	Wall mount (mounting bracket supplied)			
External material	VL-MWD272: Flame retardant PC+ABS resin, Flame retardant ABS resin VL-MV71/MV72A: Flame retardant ABS resin	Flame retardant ABS resin	Flame retardant ABS and PS resin	Flame retardant ABS resin
Supported functions				
Door station Door bell	1 door station input (VL-V554, VL-V555, VL-V522L) 1 door bell input	1 door station input (VL-V524, VL-V554, VL-V555, VL-V522L) 1 door bell input	1 door station input (VL-V554, VL-V555, VL-V522L, VL-V566) 1 door bell input	- 1 door bell 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*4, for public x 1)	Up to 1 (for public x 1)
Picture recording	Up to 400 images (up to 50 visitors (up to 8 still images per visitor))	Up to 200 images (up to 50 visitors (up to 4 still images per visitor))	Up to 400 images (up to 50 visitors (up to 8 still images per visitor))	Up to 30 images (up to 30 visitors, 1 shot per visitor)
Voice changer	Yes	Yes	Yes	-
Pan, Tilt, Zoom	Pan, Tilt, Zoom (for VL-V901, VL-V554, VL-V555)	Pan, Tilt, Zoom (for VL-V901, VL-V554, VL-V555)	Pan, Tilt, Zoom (for VL-V901, VL-V554, VL-V555)	-
Wireless monitor	Up to 6 (VL-WD613)*5*6	-	-	-
Extension monitor	Up to 3 (VL-MWD272 / VL-MV71)*6	Up to 3 (VL-MV74)	-	-
Repeater	Up to 2 (VL-FKD2)*5	-	-	-
Smartphone connect	-	-	Up to 4	-
E-mail notification	-	-	Up to 4*7	-
Intercom call	Yes (between main monitor, sub monitor*5, and extension monitor)	Yes (between main monitor 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*8 • Monitor security camera • Emergency call*8

*1 Measurement conditions: Monitor (1 pcs.) is connected to VL-PS240/VL-PS241 *2 Measurement conditions: Monitor (1 pcs.) is connected to VL-PS2410
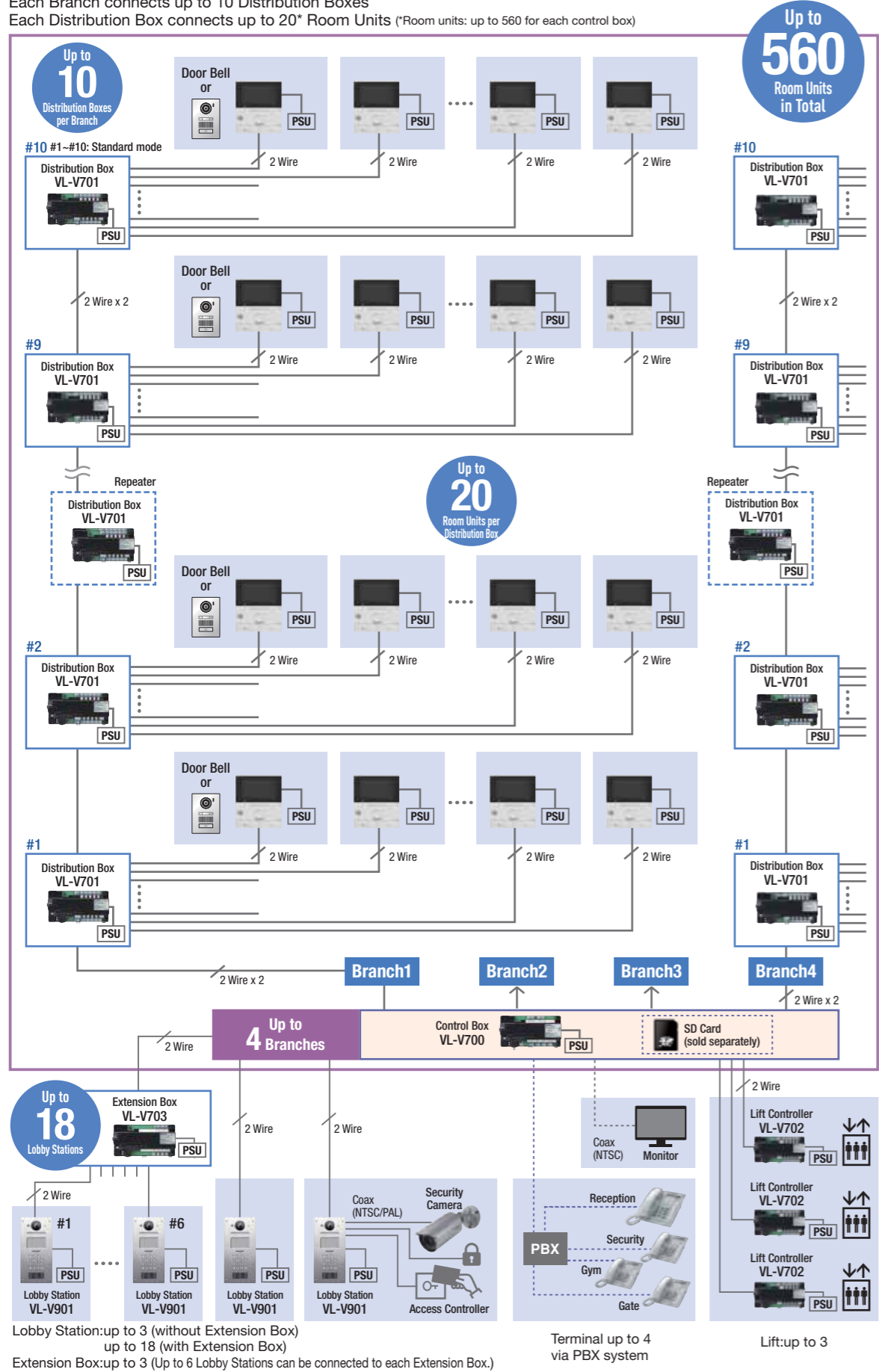*3 Including AC cable. The weight of the AC cable differs depending on the region. *4 VL-RLY1 is required.
*5 The VL-MV71/VL-MV72A is not support wireless monitors. *6 Up to 6 additional monitors (Extension monitor/Wireless sub monitor*5) can be connected. (*up to 3 of extension monitors)
*7 The main monitor must be connected to a wireless router that is connected to the Internet in order to use email feature. *8 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)

Up to 10 Distribution Boxes per Branch

#1~#10: Standard mode

Door Bell or

Up to 560 Room Units in Total

#10 Distribution Box VL-V701

2 Wire / 2 Wire / 2 Wire / 2 Wire

#9 Distribution Box VL-V701

Repeater
Distribution Box VL-V701

Up to 20 Room Units per Distribution Box

Repeater
Distribution Box VL-V701

#2 Distribution Box VL-V701

#1 Distribution Box VL-V701

Branch1   Branch2   Branch3   Branch4

2 Wire x 2

Up to 4 Branches

Control Box VL-V700   PSU

SD Card (sold separately)

Up to 18 Lobby Stations

Extension Box VL-V703   PSU

Lobby Station VL-V901   #1   #6

Lobby Station VL-V901

Lobby Station VL-V901

Coax (NTSC/PAL)   Security Camera

Access Controller

Reception
Security
Gym
Gate

PBX

Coax (NTSC)   Monitor

Lift Controller VL-V702

Lift Controller VL-V702

Lift Controller VL-V702

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.)
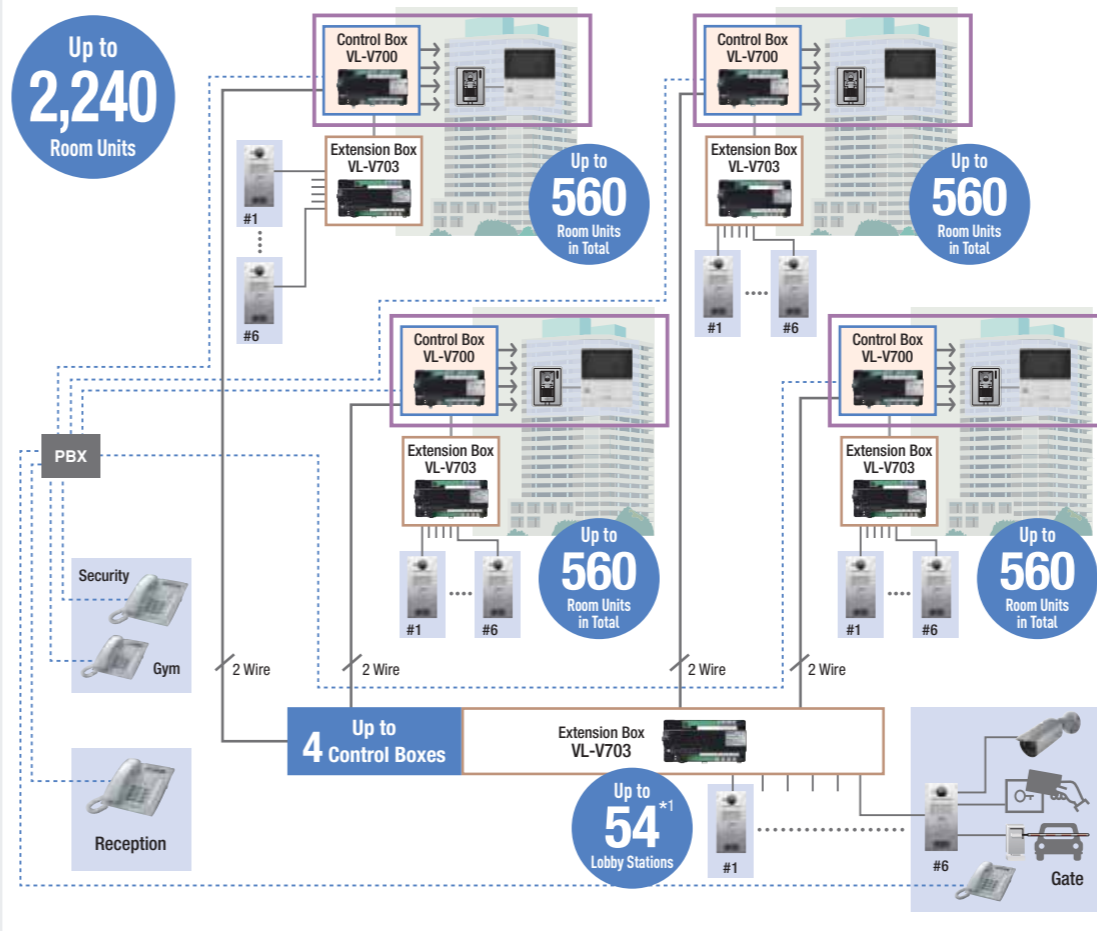
Terminal up to 4 via PBX system

Lift:up to 3

- 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.

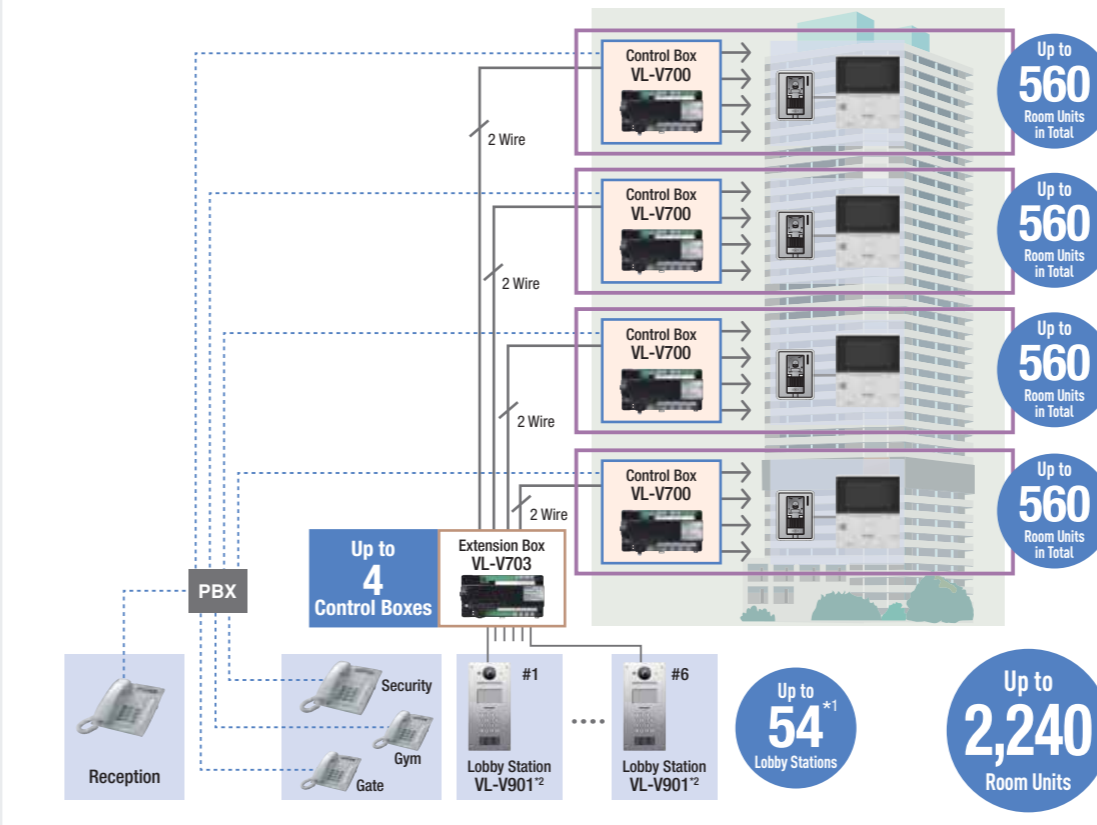### Wiring Distance   *Use PE (polyethylene)-insulated cables.

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

Expanded System for Multi building

Up to 2,240 Room Units

Control Box VL-V700

Extension Box VL-V703

Up to 560 Room Units in Total

#1   #6

Control Box VL-V700

Extension Box VL-V703

Up to 560 Room Units in Total

#1   #6

PBX

Security

Gym

Reception

Control Box VL-V700

Extension Box VL-V703

Up to 560 Room Units in Total

#1   #6

Control Box VL-V700

Extension Box VL-V703

Up to 560 Room Units in Total

#1   #6

2 Wire

Up to 4 Control Boxes

Extension Box VL-V703

Up to 54 *1 Lobby Stations

#1   #6   Gate

Expanded System for Large scale building

There are restrictions*2 on the system

Control Box VL-V700   **Up to 560** Room Units in Total

Control Box VL-V700   **Up to 560** Room Units in Total

Control Box VL-V700   **Up to 560** Room Units in Total

Control Box VL-V700   **Up to 560** Room Units in Total

PBX

Reception
Security
Gym
Gate

Up to 4 Control Boxes

Extension Box VL-V703

Lobby Station VL-V901*2   #1   #6   Lobby Station VL-V901*2

Up to 54 *1 Lobby Stations

Up to 2,240 Room Units
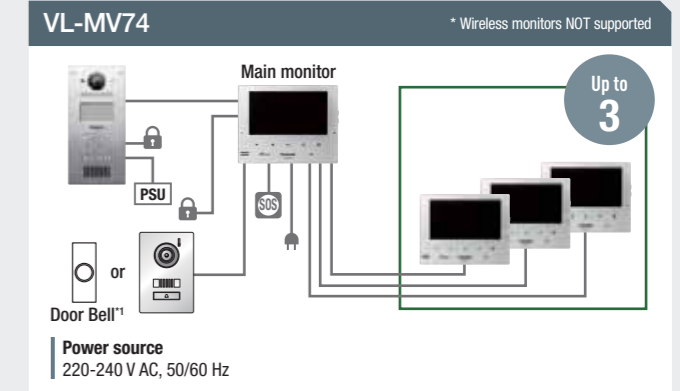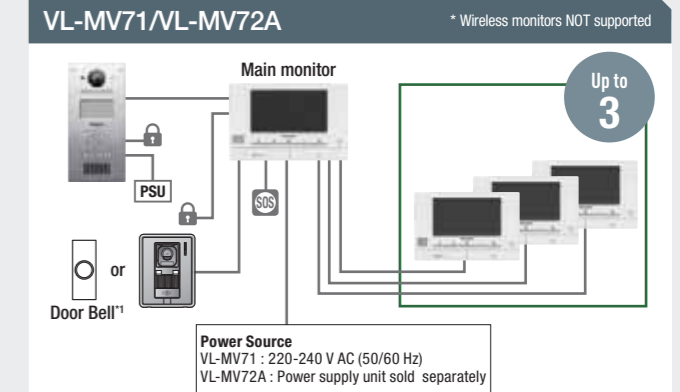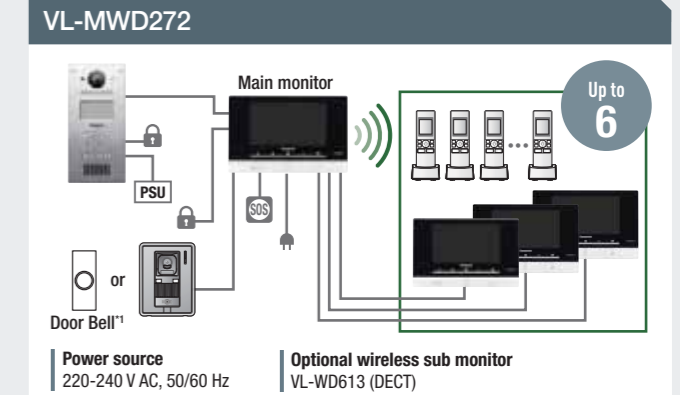
*1 There are usage restrictions when connecting more than 19 Lobby Stations. Consult your certified Panasonic dealer for more information.
*2 When a visitor calls a resident from the Lobby Station on a system with multiple Control Boxes installed in one building, even though there is only one building, the visitor needs to enter the building number before entering the room number.
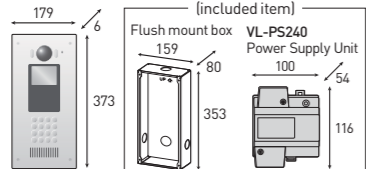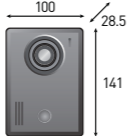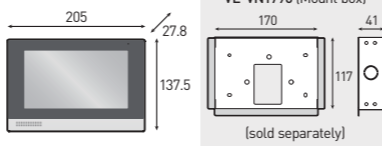
PSU Power Supply Unit (VL-PS240/PS241)

SOS Emergency button

E-Lock

Monitor Lineup

VL-MWD272

Main monitor   **Up to 6**

Door Bell or

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

Optional wireless sub monitor VL-WD613 (DECT)

VL-MV71/VL-MV72A   * Wireless monitors NOT supported

Main monitor   **Up to 3**

Door Bell*1 or

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

VL-MV74   * Wireless monitors NOT supported

Main monitor   **Up to 3**

Door Bell*1 or

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

VL-MVN511

Main monitor   **Up to 4**

Door Bell*1 or

VL-RLY1   Wireless router   Your Smartphones

Power source 24 V DC Power supply unit (supplied)

VL-MV26/VL-MV26A

Monitor

Door Bell or

Power Source
VL-MV26 : 24V DC Power Supply Unit supplied
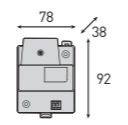VL-MV26A : Power supply unit sold separately
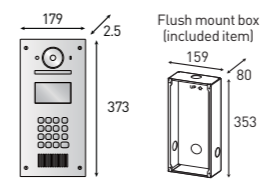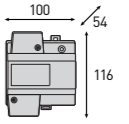
*1 Door bell connect to the option input

24
25

VL-VN1900 series (IP Video Intercom System for Apartment Complexes)
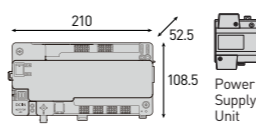
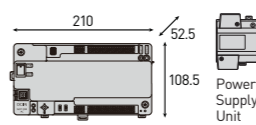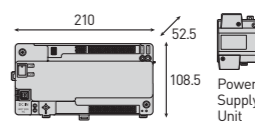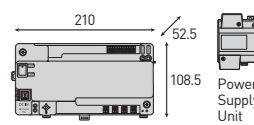| Model number and name	VL-VN1900	VL-VN1500	VL-MN1000
	Lobby Station	Door Station	Room Monitor
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS240) 24 V DC, 0.6 A	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VL-PS240[1]) 24 V DC, 0.6 A	PoE (IEEE 802.3af compliant, Class 2 device) or Power supply unit (VL-PS240[3]) 24 V DC, 0.6 A
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]	• Unlock individual doors via the RFID card (MIFARE) • Theft detection buzzer	• Monitoring through the IP camera • Emergency / Urgency call, Sensor, Door bell • Intercom calls between monitors (family or neighbours) • Calls to SIP Phones (guard station, reception, etc.) • Register up to 32 IP cameras per monitor[5] • Register up to 18 SIP Phones per monitor[6]

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 main monitor	
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 • Voice mail • E-mail notification • Supports up to 2000 SIP devices (embedded SIP server)	—	—	

*1 VL-PS240 is sold separately.
*2 10,000 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 50 SIP phones. Consult your dealer for more information.

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: Approx. 1.9 W Operating: Approx. 4.5 W	—
Dimensions (H x W x D) (Excluding protruding sections)	373 x 179 x 2.5 mm (excluding sections embedded into the wall)	116 x 100 x 54 mm
Weight	2.0 kg	230 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)
Display	4.3-inch monochrome display (white backlit LCD)	—
Display 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 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: Approx. 3.5 W Operating: Approx. 3.7 W	Standby: Approx. 1.2 W Operating: Approx. 2.0 W	Standby: Approx. 0.4 W Operating: Approx. 4.4 W	Standby: Approx. 1.5 W Operating: Approx. 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.