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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.

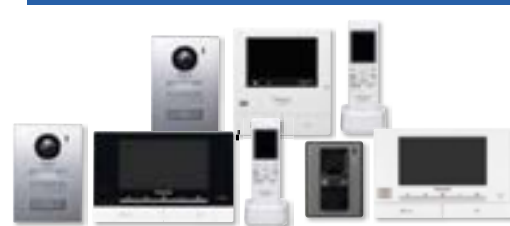
Diverse Product Line-up

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

Analogue



Single House



IP



Stylish Design and Rich Features



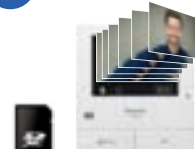
Wireless



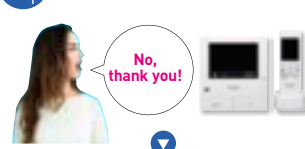
Wide angle & PTZ



Pic. & SD-card rec



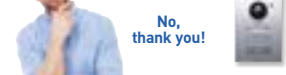
Voice changer



User-friendly & multilingual UI



Voice changer



PBX compatible

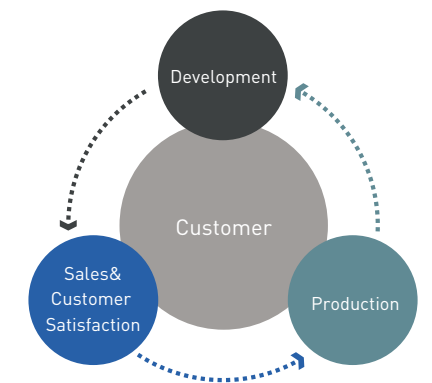
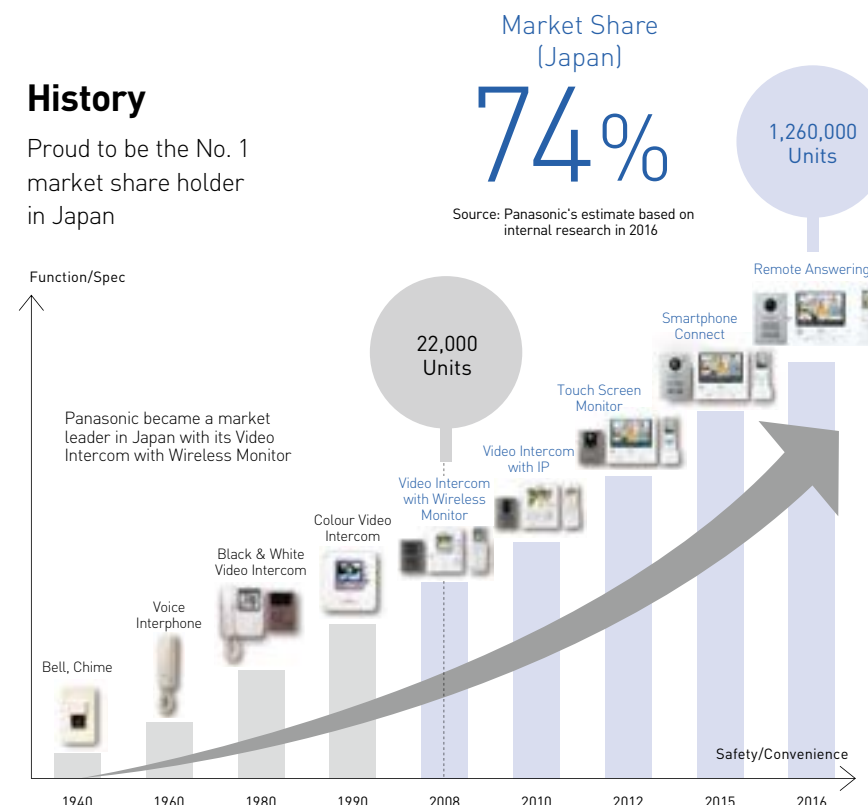


Easy installation (non polar, 2-wire)



History

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



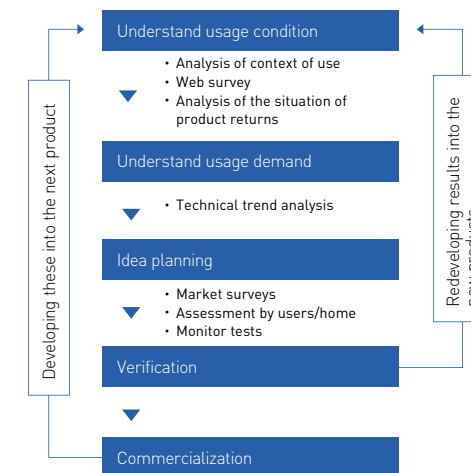
We grasp customer needs, plan products, and then proceed to develop them. Safe, reliable products are manufactured under strict quality control. In addition, customer service and products that truly fit customer needs, earning us high acclaim in world markets.

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

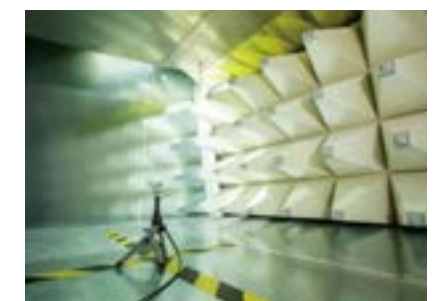
Low failure rates



Numerous safety test items



High-reliability tests



Photos are for illustrative purposes only.

VIEW AND TALK FLEXIBLY

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

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-SWD273



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



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

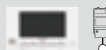
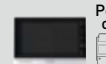
Expandable Series
VL-SV72



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

Compatibility of Main Monitor, Wireless Monitor and Door Station

Please contact your nearest Panasonic dealer for sales information.

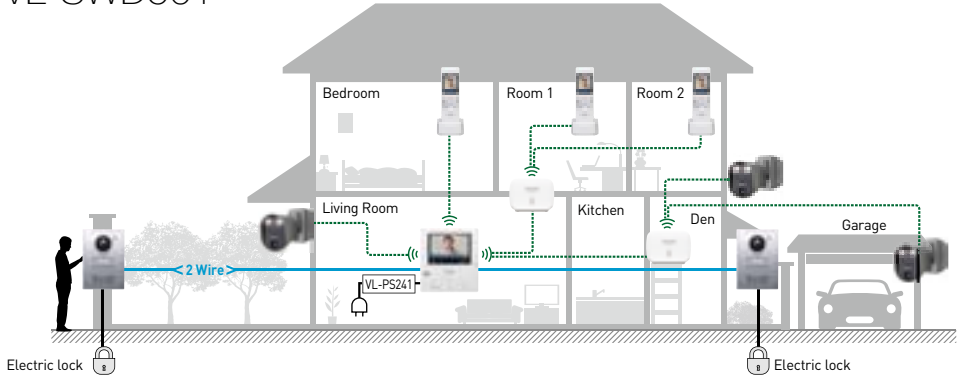
Main Monitor (Package No.)			Extension Monitor	Wireless Sensor Camera	Wireless Sub Monitor		Door Station					Lobby Station		
					(DECT)		VL-554/ VL-V554U 1.0 M pixels	VL-V555 0.3 M pixels	[*1] VL-V522L 0.3 M pixels	[*1, *2] VL-V566 0.3 M pixels	IP VN1500 1.3 M pixels	[*1, *2, *3] VL-V591 0.3 M pixels	Analogue VL-V900 1.0 M pixels	IP VL-VN1900 2.0 M pixels
														
Power source	Display size													
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-MWD273 (VL-SWD273/SVD273) 	VL-PS241	7-inch WVGA colour	○ up to 3 (*5) VL-MWD273	×	● up to 6 (*5)	○ up to 2	●	○	○	×	×	○	○	×
VL-MWD272 (VL-SWD272/SVD272) 	AC	7-inch WVGA colour	○ up to 3 (*5) VL-MWD272	×	● up to 6 (*5)	○ up to 2	○	○	●	×	×	○	○	×
VL-MV72 (VL-SV72) 	VL-PS241	7-inch WVGA colour	○ up to 3 VL-MV72	×	×		○	○	●	×	×	○	○	×
VL-MV26 	VL-PS240	3.5-inch QVGA colour	×	×	×		×	×	×	×	×	×	○	×
VL-MV26A 	Not included power supply unit	3.5-inch QVGA colour	×	×	×		×	×	×	×	×	×	○	×
VL-MN1000 	PoE or VL-PS240(*6)	7-inch WVGA colour /Touch Screen	○ up to 5 VL-MN1000	×	×		×	×	×	×	○	×	×	○

* 1 Wide/zoom settings and zoom position settings are not available.
* 2 Doorphone LED light illumination settings and backlight compensation settings are not available.
* 3 Outside monitoring using the doorphone is not available.
* 4 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.

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

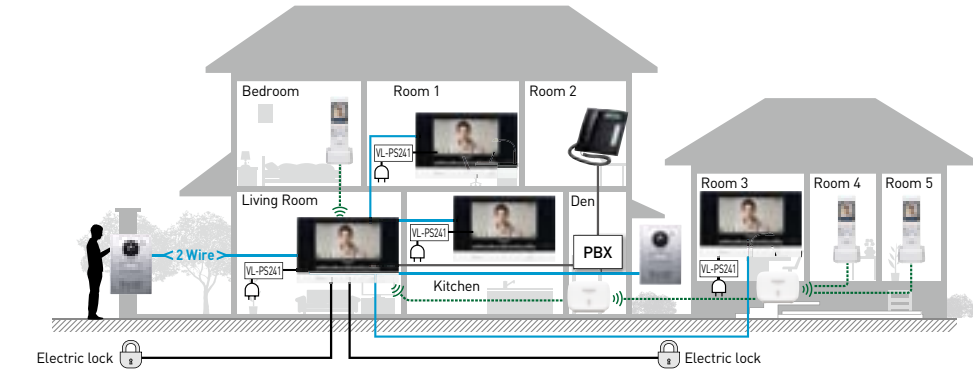
System Configuration Example

Wireless Video Intercom System
VL-SWD501



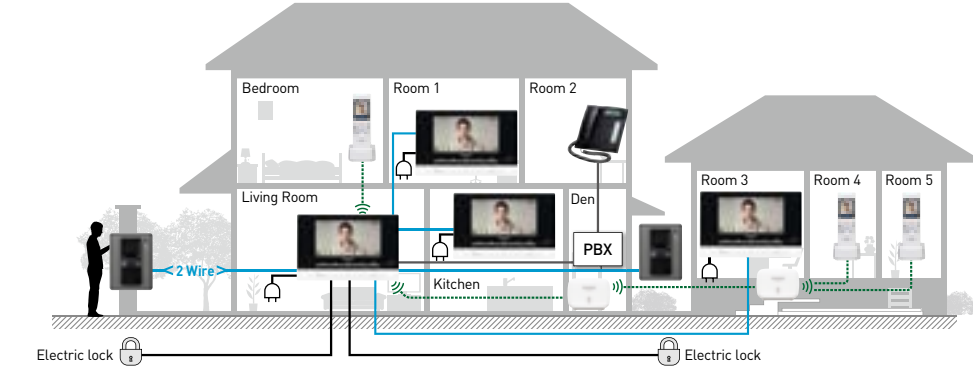
Wireless Video Intercom System
VL-SWD273

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

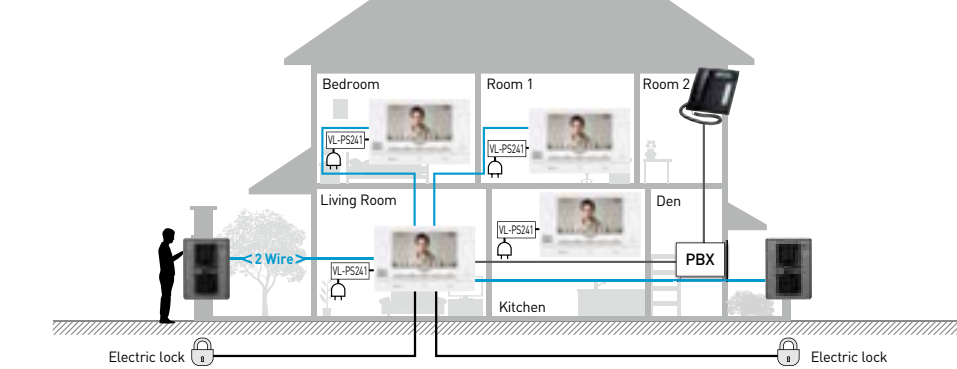


Wireless Video Intercom System
VL-SWD272

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



Video Intercom System
VL-SV72



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	

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.

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.

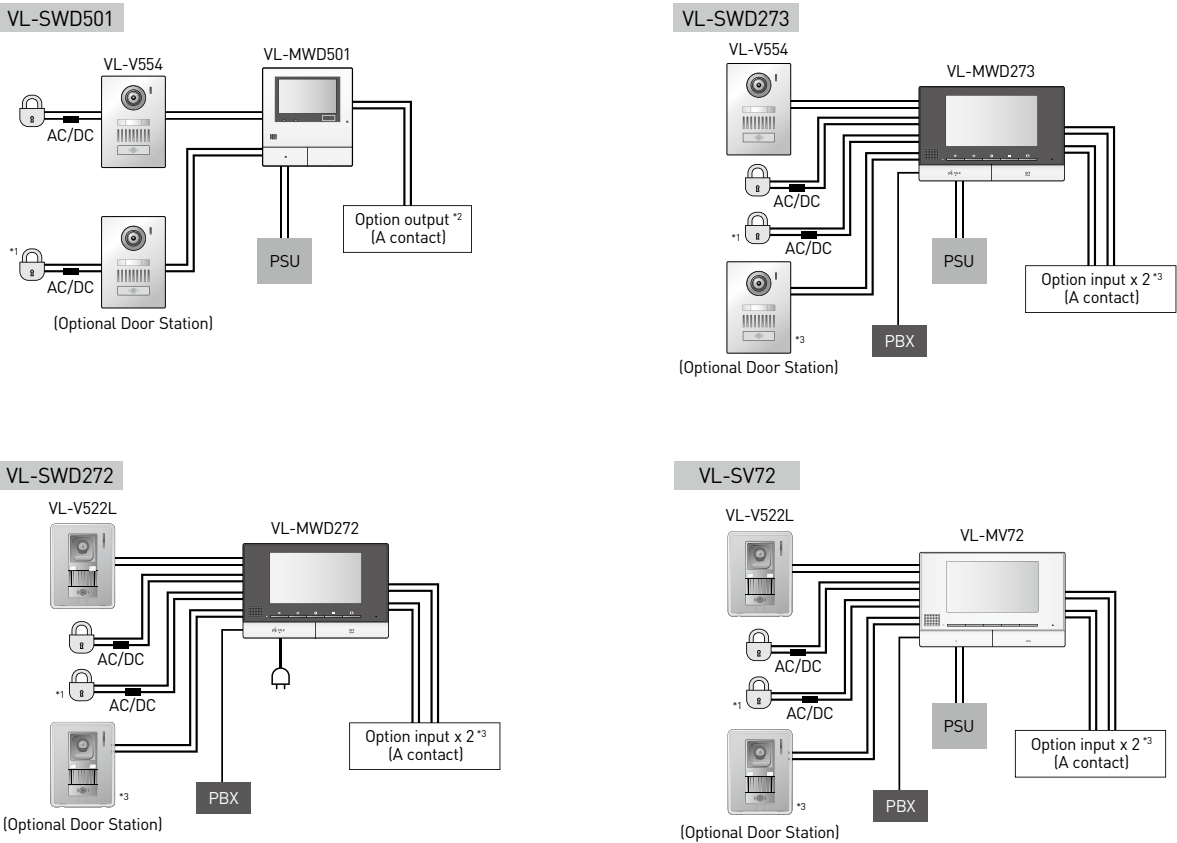
System Units	
Main/Extension Monitor VL-MV72 Up to 3 (not including the main monitor)	Door Station VL-V522L Up to 2
Panasonic PBX	Please consult your dealer when connecting with a PBX. This image shows the KX-NS500.

Comparison Chart

Model Number		VL-SWD501	VL-SWD273	VL-SWD272	VL-SV72
Maximum Connectable Units	Door Station (Doorphone)	2 (Die-Cast Aluminium)	2	2	2
	Main Monitor / Extension Monitor	1 / —	1 / 3	1 / 3	1 / 3
	Wireless Sub Monitor	6 (DECT)	6 (DECT)	6 (DECT)	—
Recording	Video / Picture Recording	● / ●	— / ●	— / ●	— / ●
	SD Card Recording	●	—	—	—
Connectable Devices	Sensor Camera	● (4)	—	—	—
	Electric Lock Release (Door Opener)	● (2)*1	● (2)*1	● (2)*1	● (2)*1
	Panasonic PBX	—	●	●	●
	Repeater	● (2)	● (2)	● (2)	—
Others	Night Vision (LED Light)	●	●	●	●
	Touch Panel / Pan & Tilt	● / ●	— / ●	— / ●*2	— / ●*2
	Wide Angle Camera	● H: 170° V: 115°	● H: 170° V: 115°	— H: 87° V: 66°	— H: 87° V: 66°
	Intercom Call	●	●	●	●
	Voice Changer	●	●	●	●

*1 When connecting 2, an optional Door Station is required.
*2 These functions are not available for the supplied doorphone (VL-V522L). You can use these functions with optional doorphone.

Comparison of the wiring



PSU : Power Supply Unit (included with a monitor)

*1 When connecting 2 E-Lock, 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.
When using a Lobby Station (VL-V900 series), the option output cannot be used.
*3 When using a Lobby Station (VL-V900 series), the option inputs can be used to connect an emergency button and doorbell.
However, when an optional door station is connected, only the door station or doorbell can be used (not both).

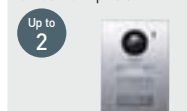
VL-SWD501



A close-up photograph of a hand with a finger touching a tablet screen. The screen shows a video call interface with a man's face in a window and a bottom control bar with icons for mute, video, chat, and call.

- 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)

Door Station (Doorphone)
VL-V554 (Surface mount)
VL-V554U (Flush mount)
CMOS 1.0 M pixels



Up to 6

Up to
4

Up to
2

Up to 20
main monitors
can be connected.

Main Monitor Station
(Main Monitor)
VL-MWD501



VL-SWD273

Up to 2

Up to 3^{*2}

Up to 6^{*2}

7-inch Wide Screen

(not including the main monitor)

< 2 Wire^{*1} >

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.



ors (However,
number of
3).
activity

Up to
6

Total
Up to
6

Up to
3

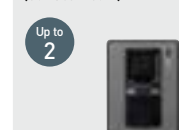


Wireless Handset (DECT)



- 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)

Door Station (Doorphone)
VL-V522L
(Surface mount)



Up to
2

Up to
3

Up to 6

Up to 2

Up
m
ca
co

Up to 20
main monitors
can be

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

Expandable Series

Video Intercom System

VL-SV72



* 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.



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.



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
- Night Vision (white coloured LED lights)
- Voice Changer
- Intercom Call (between the main monitor and extension monitor)

Options

Door Station (Doorphone)
VL-V522L (Surface mount)

Up to 2



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

Up to 2



Extension Monitor
VL-MV72

Up to 3



Lobby Station
VL-V591

Up to 20



main monitors can be connected.

PBX

Connectable PBX Model Numbers

KX-TDA30/100/100D/200/600 series
KX-TDE100/200/600 series
KX-NS300/500/700/1000 series

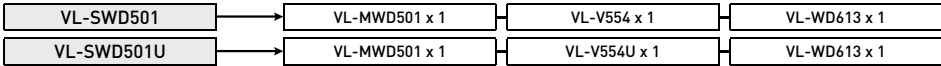


This image shows the KX-NS500.

Please consult your dealer when connecting with a PBX.

VL-SWD501

Model Composition



Model number and name	VL-MWD501	VL-V554 (Surface mount) VL-V554U (Flush mount)	VL-WD613	
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	
Dimensions (Unit: mm)			Main body	Charger
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	—	—	Standby: Approx. 0.4 W (when the sub monitor is not placed in the charger) During charging: Approx. 1.4 W
Dimensions (H x W x D) (Excluding protruding sections)	180 x 165 x 21 mm	VL-V554: 169 x 118 x 30 mm VL-V554U: 169 x 118 x 16.5 mm (excluding sections embedded into the wall)	173 x 52 x 30 mm	43 x 81 x 76 mm
Weight	470 g	VL-V554: 405 g VL-V554U: 345 g	160 g (including the batteries)	70 g (excluding the AC adaptor)
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	5-inch wide colour / WVGA (800x480 pixels)	—	2.2-inch colour / QVGA (320x240 pixels)	—
Display language	English	—	Depends on main monitor	—
Talking method	Hands-free	Hands-free	Hands-free	—
Frequency range	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main monitor)	—
Option output (A contact)	Rated load: 24 V AC/DC, 0.3 A or lower Minimum applicable load: 5 V DC, 0.001 A (Output when there is a call from the doorphone)	—	—	—
Viewing angle	—	Horizontally: Approx. 170° Vertically: Approx. 115°	—	—
Image sensor / camera (pixel)	—	CMOS sensor (Approx. 1.0 M pixels)	—	—
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	—	Warm white coloured LED lights	—	—
IP rating / IK rating	—	IP54 ^{*1} / Compliant with IK07	—	—
Installation method	Wall mount (mounting bracket supplied)	VL-V554: surface mount (mounting base supplied) VL-V554U: flush mount (flush mounting box supplied)	—	—
External material	Flame retardant ABS and PS resin	Aluminium and flame retardant PC+PS resin	ABS resin	ABS resin

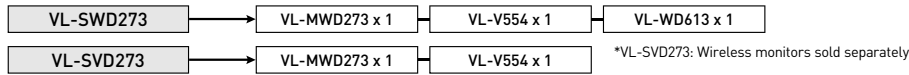
Options

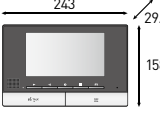
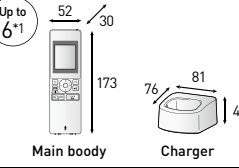
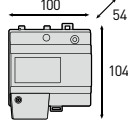
Model number and name	VL-WD812 (For VL-SWD501)		VL-FKD2 (For VL-MWD501 / VL-MWD273 / VL-MWD272)
	Wireless Sensor Camera	Power Supply Unit (VL-PS241)	DECT Repeater
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS241) 24 V DC, 0.4 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	AC adaptor 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 doorphone/the camera is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken. Do not install the camera in areas directly exposed to water or rain. *2 The minimum illuminance required when the camera's [Brightness] setting is set to [+3].
*3 Approx. 8.5 lx when 3 m in front of the camera, and approx. 4 lx when 3 m away and 20° to the left or right of the camera.

VL-SWD273 / VL-SVD273

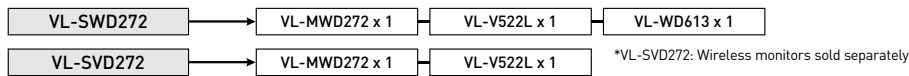
Model Composition

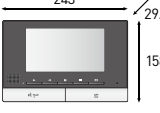
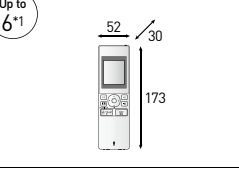


Model number and name	VL-MWD273	VL-V554 VL-V554U	VL-WD613	VL-PS241
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	Power supply unit
Dimensions (Unit: mm)	Up to 3 ^{*1} (not including the main monitor) 	Up to 2 	Up to 6 ^{*1} 	
Power source	Power supply unit (VL-PS241) 24 V DC, 0.5 A	Supplied by the main monitor 20 V DC, 0.23 A	Main body: Rechargeable Ni-MH (AAA x 2) Charger: AC adaptor Output: 5.5 V DC, 0.5 A	Input: 220-240 V AC, 0.2 A, 50/60 Hz Output: 24 V DC, 0.6 A
Power consumption	Standby: Approx. 1.8 W Operating: Approx. 11.6 W	—	Standby: 0.5 W (when the sub monitor is not placed in the charger) Operating: 1.6 W	—
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	VL-V554: 169 x 118 x 30 mm VL-V554U: 169 x 118 x 16.5 mm (excluding sections embedded into the wall)	Main body: 173 x 52 x 30 mm Charger: 43 x 81 x 76 mm	104 x 100 x 54 mm
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)	215 g
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 %	Ambient temperature: Approx. 0 °C to +50 °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	—	English, Arabic	—
Talking method	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. 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 ² / Compliant with IK07	—	—
Installation method	Wall mount (mounting bracket supplied)	VL-V554: surface mount (mounting base supplied) VL-V554U: Flush mount (Flush mounting box supplied)	—	Wall mount or attach to DIN rail
External material	Flame retardant PC+ABS resin, Flame retardant ABS resin	Aluminium and flame retardant PC+PS resin	ABS resin	Flame retardant PC+ABS resin

VL-SWD272 / VL-SVD272

Model Composition



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)	
Dimensions (Unit: mm)	Up to 3 ^{*1} (not including the main monitor) 	Up to 2 	Up to 6 ^{*1} 	
			Main body	Charger
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	—	—	Standby: Approx. 0.4 W (when the sub monitor is not placed in the charger) During charging: Approx. 1.4 W
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	131 x 99 x 36.5 mm	173 x 52 x 30 mm	43 x 81 x 76 mm
Weight	825 g ²	200 g	160 g (including the batteries)	70 g (excluding the AC adaptor)
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	7-inch wide colour / WVGA (800x480 pixels)	—	2.2-inch colour / QVGA (320x240 pixels)	—
Display language	English, Arabic	—	Depends on main monitor	—
Talking method	Hands-free	Hands-free	Hands-free	—
Frequency range	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main monitor)	—
Viewing angle	—	Horizontally: Approx. 87° Vertically: Approx. 66°	—	—
Image sensor / camera (pixel)	—	CMOS sensor (Approx. 0.3 M pixels)	—	—
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	—	Warm white coloured LED lights, Infrared LEDs	—	—
IP rating / IK rating	—	IPX3 ³	—	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied)	—	—
External material	Flame retardant PC+ABS resin, Flame retardant ABS resin	Flame retardant ABS resin	ABS resin	ABS resin

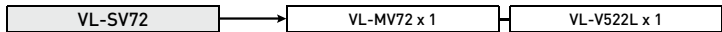
*1 When sub monitors and extension monitors are used together, a total of up to 6 sub monitors and extension monitors can be registered.

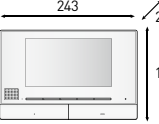
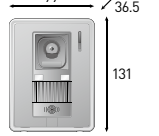
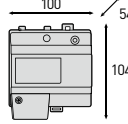
*2 Including AC cord.

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

VL-SV72

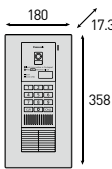
Model Composition



Model number and name	VL-MV72	VL-V522L	VL-PS241
	Main Monitor Station (Main monitor) Extension Monitor	Door Station (Doorphone)	Power supply unit
Dimensions (Unit: mm)	Up to 3 ^{*1} (not including the main monitor) 	Up to 2 	Up to 2 
Power source	Power supply unit (VL-PS241) 24 V DC, 0.4 A	Supplied by the main monitor	Input: 220-240 V AC, 0.2 A, 50/60 Hz Output: 24 V DC, 0.6 A
Power consumption	Standby: Approx. 1.6 W Operating: Approx. 9.8 W	—	—
Dimensions (H x W x D) (Excluding protruding sections)	158 x 243 x 29.5 mm	131 x 99 x 36.5 mm	104 x 100 x 54 mm
Weight	710 g	200 g	215 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 %
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 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 resin	Flame retardant ABS resin	Flame retardant PC+ABS resin

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

VL-V591

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

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.



Room Monitor

VL-MN1000

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

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

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

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 grouped 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

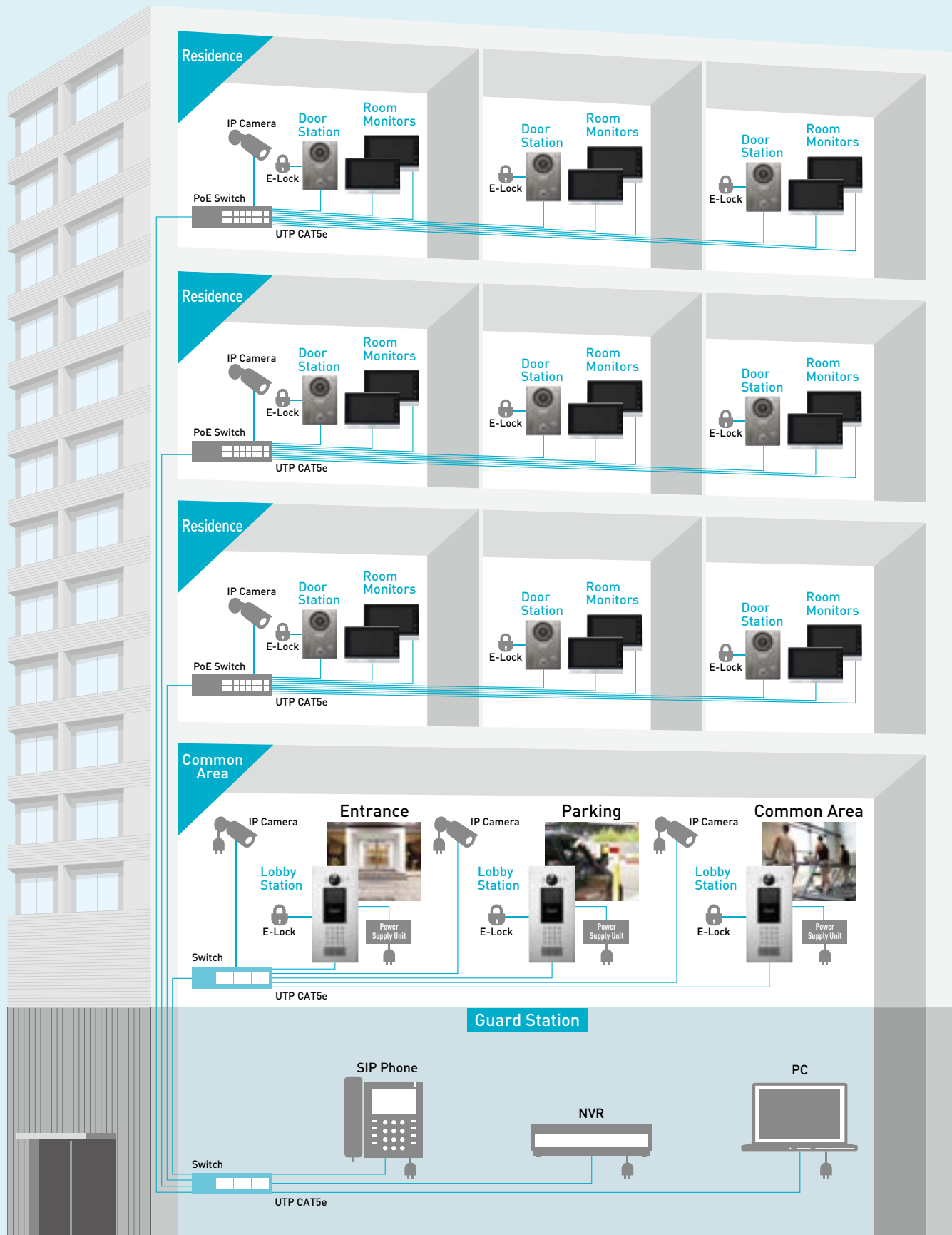
* External mail server and an internet connection are required.

System Diagram of the Apartment System

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

FUNCTION

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



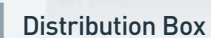
Support up to 2,000 devices on a system with a Control Box

FUNCTION

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



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

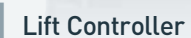


VL-V701

Role as a distribution box

Role as a repeater box

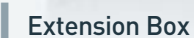
Only one can be connected between the control box and distribution box #10.



VL-V702

Supported control methods

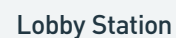
- * The supported control method depends on the specifications of the lift and lift control box.
Contact the lift manufacturer for details.



VL-V703

Features

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



VL-V900

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



VL-V700

Device for controlling the entire system

- Guidance (simple usage for visitors)
- Wide angle camera : Horizontally: approx. 170°
Vertically: approx. 115°
- 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

- Security camera
- Electric lock
- Access controller

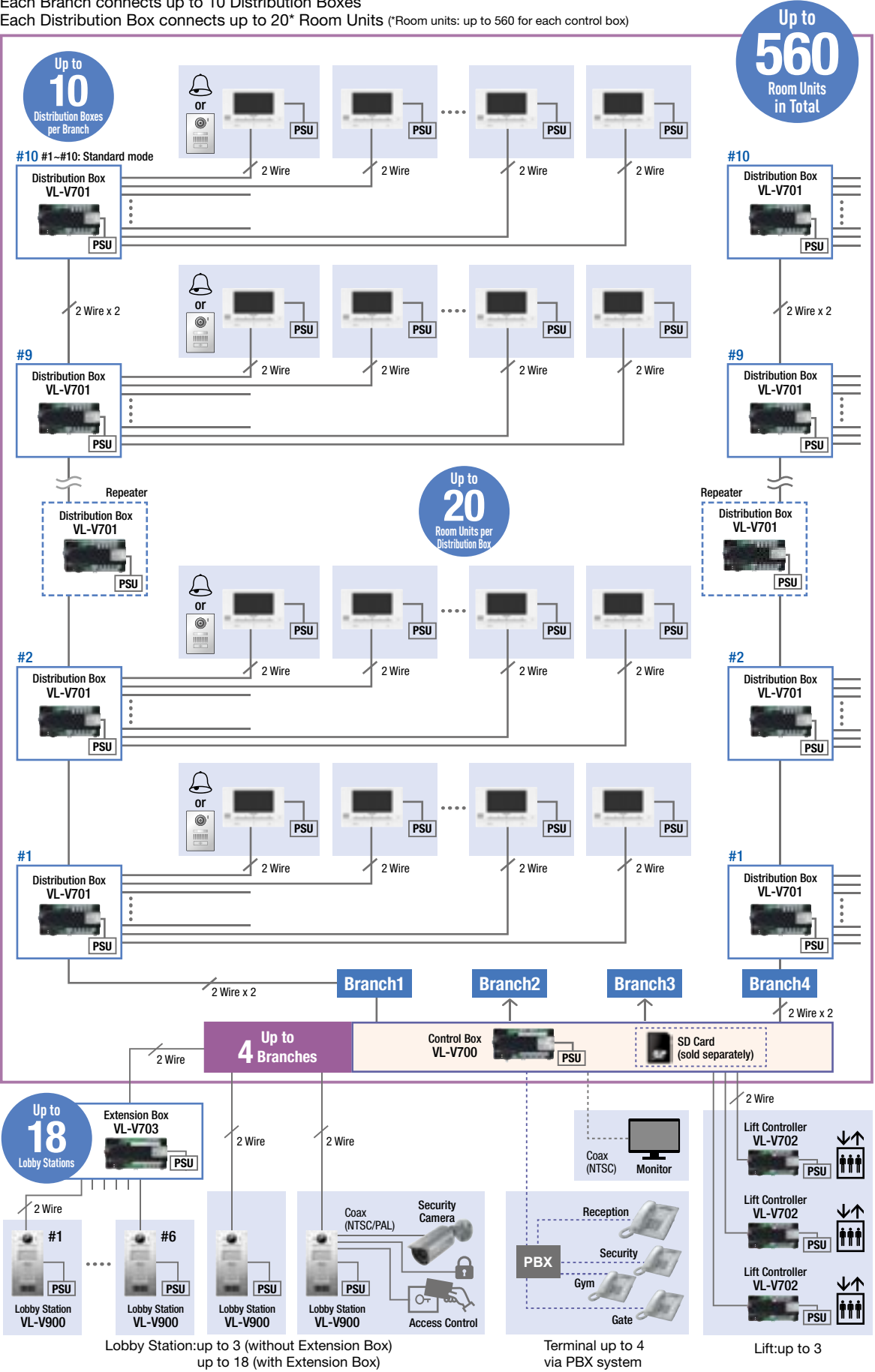
- Easy setup (Room number registration)
- Easy connection check
(Check connections between the control box and main monitor of each room)
- Real time monitoring
- Log (SD card recording)
Text log: More than 90,000 items (date, caller, receiver, operation, status)
Image log: Up to 90,000 images (overwrite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

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

*1 Power Supply Unit is sold separately.
*2 Including AC cord.
*3 Up to 6 additional monitors (Extension monitor/Wireless sub monitor) can be connected. (*up to 3 of extension monitors)
*4 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)

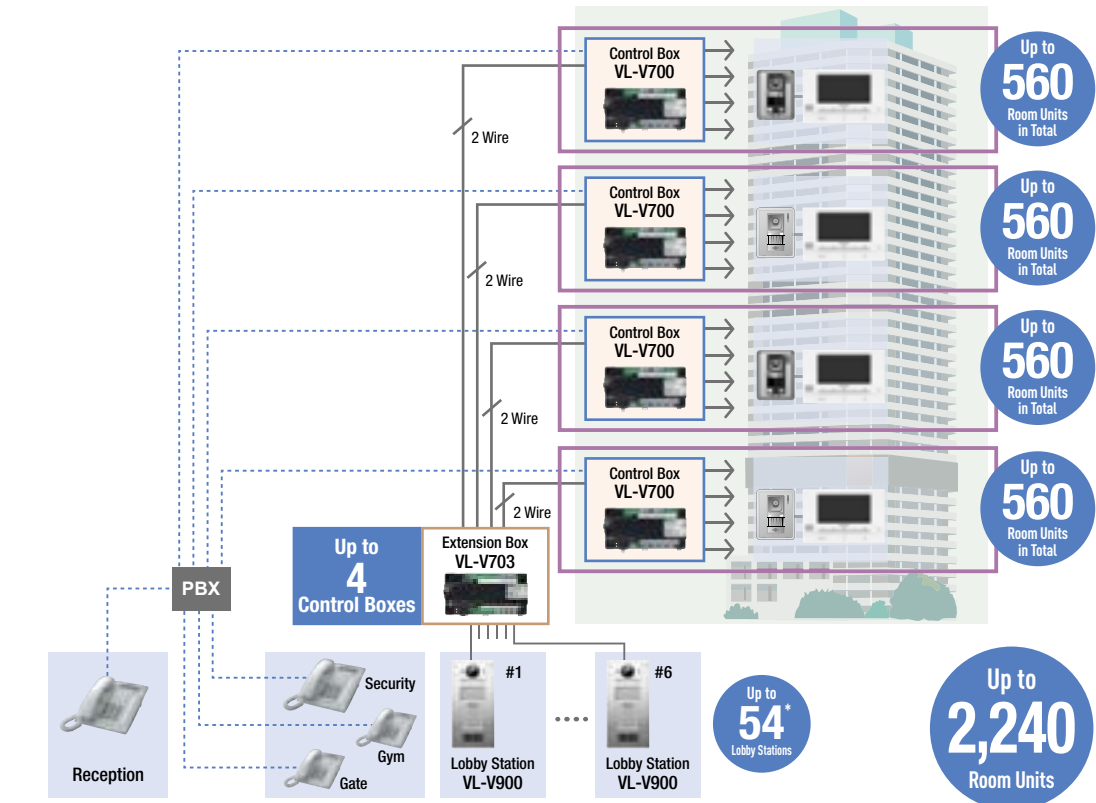


- Extension Boxes do not operate as repeaters that allow longer distances between the Control Box and Lobby Stations.
- Lobby Stations (VL-V900) connected to Extension Boxes (VL-V703) cannot be called from the main monitors or terminals.

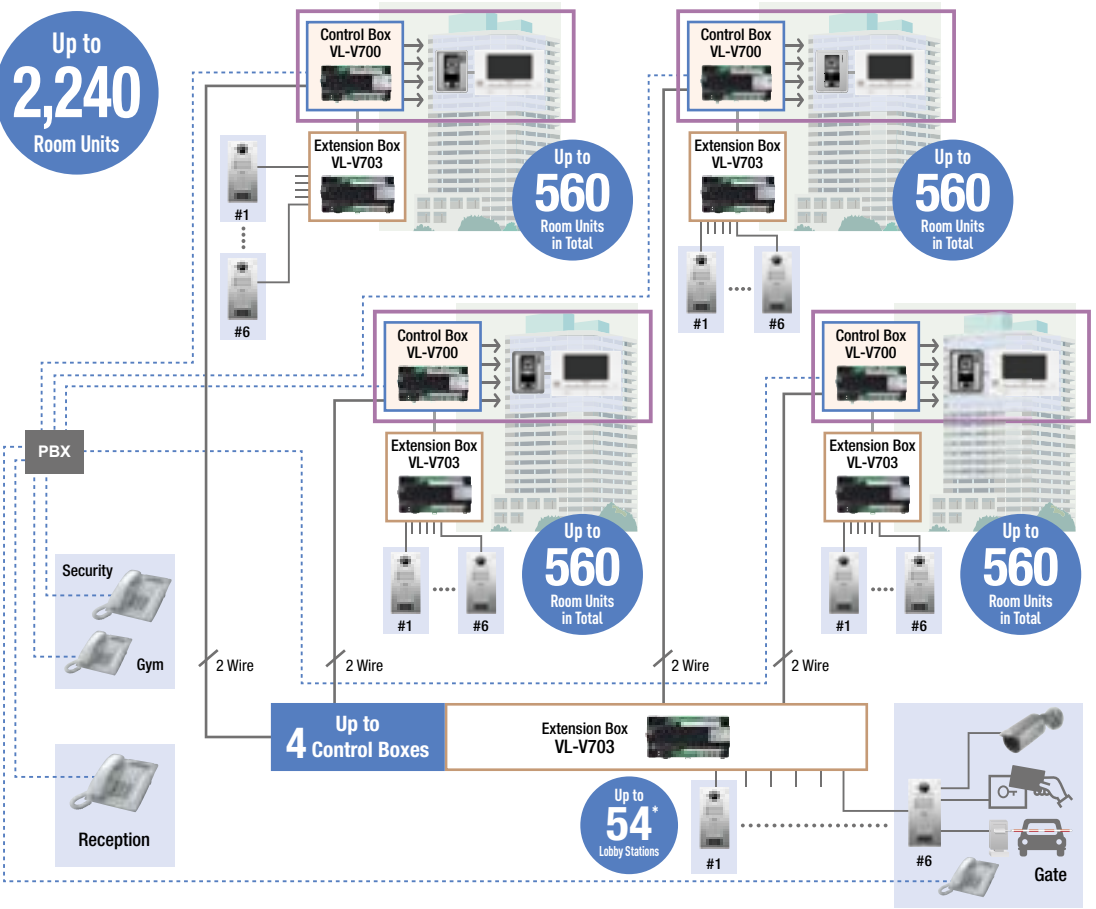
Wiring Distance *Use PE (polyethylene)-insulated cables.

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 farthest Distribution Box (Standard Mode)	100 m	200 m	Distribution Box (Repeater Mode) - The farthest Distribution Box (Standard Mode)	100 m	200 m
Distribution Box (Standard Mode) - Main Monitor	100 m	200 m	Control Box - The farthest Lift Controller	100 m	200 m

Expanded System for Large scale building

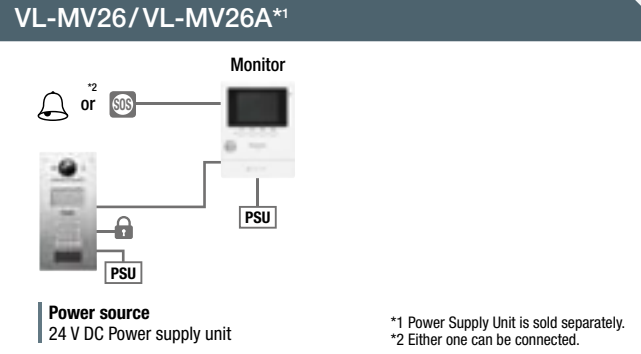
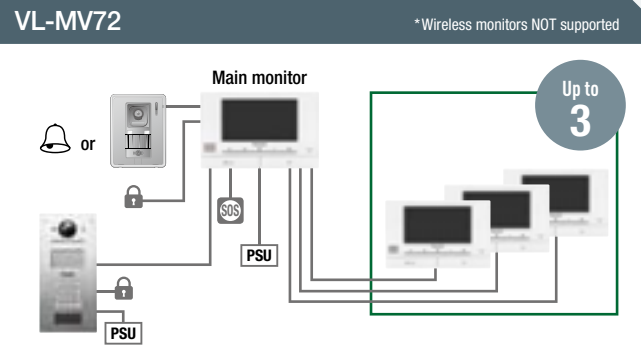
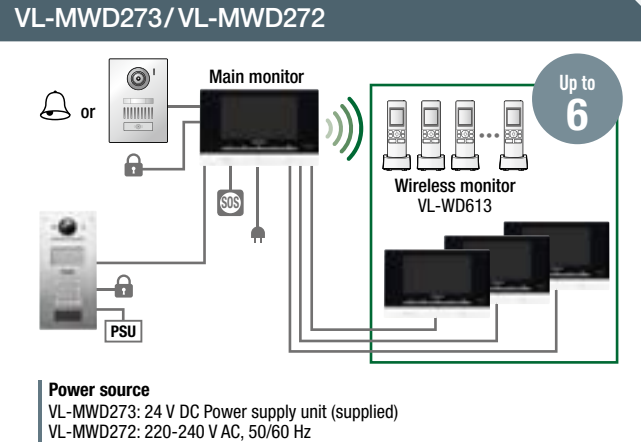


Expanded System for Multi building



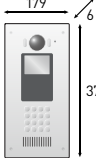
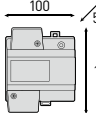
*There are usage restrictions when connecting more than 19 Lobby Stations. Consult your certied Panasonic dealer for more information.

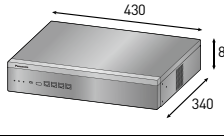
Monitor Lineup



- PSU Power Supply Unit (VL-PS240/PS241)
- SOS Sensor or Button (emergency call)
- Door Bell
- E-Lock

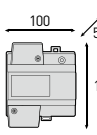
VL-VN1900 series (IP Video Intercom System for Apartment Complexes)

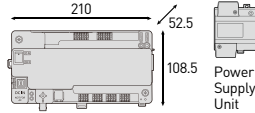
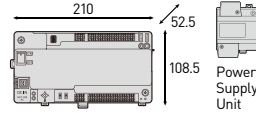
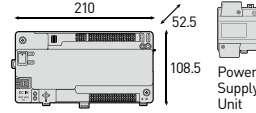
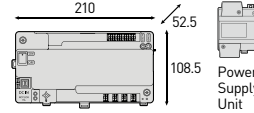
Model number and name	VL-VN1900	
	Lobby Station	Power Supply Unit (VL-PS240)
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS240) 24 V DC, 0.6 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A
Power consumption	Standby: 3.5 W, Operating: 8.5 W	—
Dimensions (H x W x D) (Excluding protruding sections)	373 x 179 x 6 mm (excluding sections embedded into the wall)	116 x 100 x 54 mm
Weight	1.5 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	3.5-inch colour display (320x240 pixels)	—
Display language	English, Arabic, French, Italian, German, Spanish and Dutch Only user guidance supports multiple language Resident's names are only in English	—
Talking method	Hands-free	—
Network interface	10BASE-T/100BASE-TX (Auto MDI/MDI-X)	—
Network protocol	TCP/IP, UDP	—
Wiring	UTP (cat.5e or higher)	—
Card reader (RFID)	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	—
Expanded interface	Support for electric lock releasing (entrance unlocking) x 1	—
Viewing angle	Horizontally: Approx. 120°, Vertically: Approx. 72° (15° angle adjusting, vertical only)	—
Image sensor	2.0 M pixels CMOS sensor	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	—
Lighting method	White coloured LED lights	—
SIP server	Embedded SIP server (up to 200 devices)	—
Video / Audio format	Video: H.264, Audio: G.711	—
IP rating / IK rating	IP55* / Compliant with IK07	—
Installation method	Flush mount (flush mounting box supplied)	Wall mount or attach to DIN rail
External material	Aluminium	Flame retardant PC+ABS resin
Supported functions	• Room numbers using numbers 0 through 9 and letters A through F • Phonebook (Room-No., Resident's name) • Theft detection buzzer • Unlock lobby door via a PIN code or RFID card (MIFARE) • Reception mode • Display a BMP file set by the user (320x180 pixels)	—

Model number and name	VL-VN1500	VL-MN1000	VL-VN1700
	Door Station	Room Monitor	Control Box
Dimensions (Unit: mm)			
Power source	PoE (IEEE 802.3af compliant, Class 2 device) or 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*) 24 V DC, 0.6 A	100-240 V AC, 0.95-0.6 A, 50/60 Hz
Power consumption	PoE: Standby: 2.5 W / Operating: 5.1 W VL-PS240: Standby: 2.6 W / Operating: 6.3 W	PoE: Standby: 1.9 W / Operating: 6.3 W VL-PS240: Standby: 2.1 W / Operating: 6.2 W	Under 50 W
Dimensions (H x W x D) (Excluding protruding sections)	141 x 100 x 28.5 mm	137.5 x 205 x 27.8 mm	88 x 430 x 340 mm
Weight	250 g	550 g	4.5 kg
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	—	7-inch wide colour display with touch screen (800x480 pixels)	—
Display language	—	English, Arabic, French, Italian, German, Spanish and Dutch	—
Talking method	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/1000BASE-T (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)	13.56 MHz (ISO/IEC 14443 Type A (MIFARE))	—	—
Expanded interface	E-lock x 1 *Relay box VL-RLY1 is required (sold separately)	Sensor input x 5 (including emergency / urgency button)	—
Viewing angle	Horizontally: Approx. 113°, Vertically: Approx. 69°	—	—
Image sensor	1.3 M pixels CMOS sensor	—	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	White coloured LED lights	—	—
Video / Audio format	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711	—
Recording	—	Internal memory (video with audio can be saved)	—
IP rating / IK rating	IP54*1 / —	—	—
Installation method	Surface mount (mounting base supplied)	Surface mount (mounting bracket supplied) or Flush mount (mounting box VL-VN1790 sold separately)	Mountable to 19-inch racks
External material	PC+ABS resin	PC+ABS resin	Front Cabinet: ABS, Lower / Upper Cabinet: Steel
Supported functions	• 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*3 • Register up to 18 SIP Phones per monitor*4	• Voice mail • E-mail notification • Supports up to 2000 SIP devices (embedded SIP server)

*1 Water resistance is only assured if lobby station/the doorphone installed correctly according to the instructions in the Operating Instructions, and appropriate water protection measures are taken.
*2 VL-PS240 is sold separately. *3 System total up to 500 IP cameras. Consult your dealer for more information. *4 System total up to 50 SIP phones. Consult your dealer for more information.

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

Model number and name	VL-V900	
	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. 115°	—
Image sensor	(1/4 inch) CMOS sensor (approx. 1 M pixels)	—
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)	—
Lighting method	White coloured LED lights	—
IP rating / IK rating	IP55*1 / Compliant with IK07	—
Installation method	Flush mount (flush mounting box supplied)	Wall mount or attach to DIN rail
External material	Stainless steel (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 up to 1) 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.