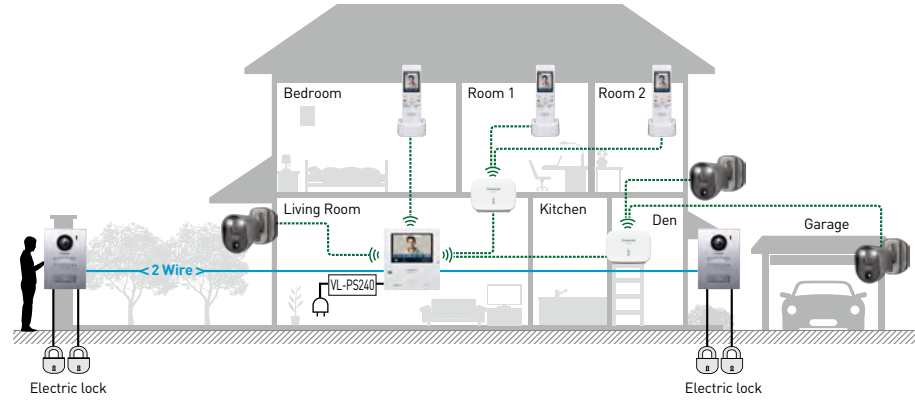



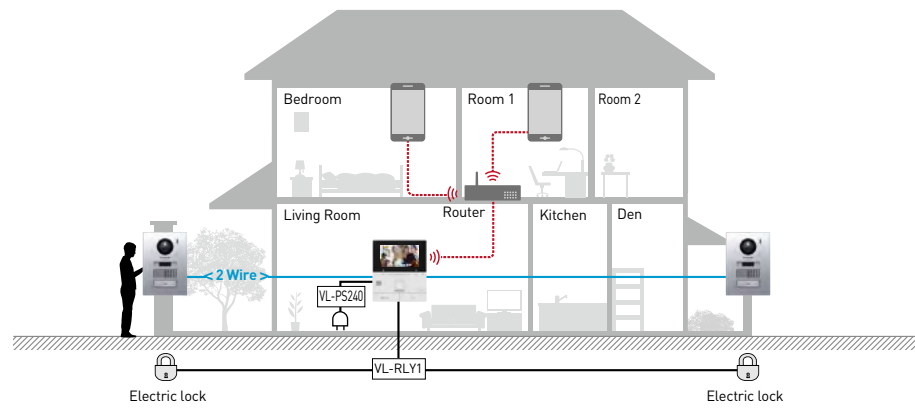
System Configuration Example



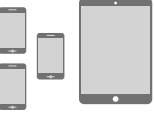
Wireless Video Intercom System
VL-SWD501



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

Video Intercom System
VL-SVN511



System Units	
Main Monitor Station VL-MVN511 	Door Station VL-V555 Up to 2 
Mobile Devices Up to 4 	

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- MIFARE is a trademark of NXP B.V.
 - iPhone and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.
 - Android is a trademark of Google Inc.
 - SD, SDHC and SDXC Logos are trademarks of SD-3C, LLC.
 - The software of the sub monitor is based in part on the work of the Independent JPEG Group.
 - All other trademarks identified herein are the property of their respective owners.
- Important**
- Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
 - Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

- The actual product may vary slightly from the photograph.
- All pictures of the LCD display are simulated.
- Weights and dimensions are approximate.
- Design and specifications are subject to change without notice.
- These products may be subject to export control regulations.

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Panasonic

VIDEO INTERCOM SYSTEM
LINE-UP CATALOGUE



Flexible configurations
that work for you

VIEW AND TALK FLEXIBLY

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



Summary

Single Door Systems 03-07

VL-SWD501

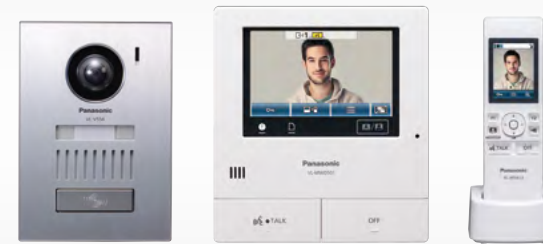
VL-SVN511

Multi Door Systems 08-15

VL-VN1900 IP System

VL-V900 Analogue System

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

Smartphone Connect Series VL-SVN511



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

Comparison Chart

Model Number		VL-SWD501	VL-SVN511
Maximum Connectable Units	Door Station (Doorphone)	2 (Die-Cast Aluminium)	2 (Die-Cast Aluminium)
	Main Monitor	1	1
	Wireless Sub Monitor	6 (DECT)	—
	Smartphone, Tablet	—	• (4)*1
Recording	Video / Picture Recording	•/•	—/•
	SD Card Recording	•	—
Connectable Devices	Sensor Camera	• (4)	—
	Electric Lock Release (Door Opener)	• (4)*2	• (2)
	Repeater	• (2)	—
Others	Night Vision (LED Light)	•	•
	Touch Panel / Pan & Tilt	•/•	—/•
	Wide Angle Camera	• H: 170° V: 115°	• H: 170° V: 130°
	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 3 or 4, an optional Door Station is required.

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

Stylish Premium DECT Wireless Series

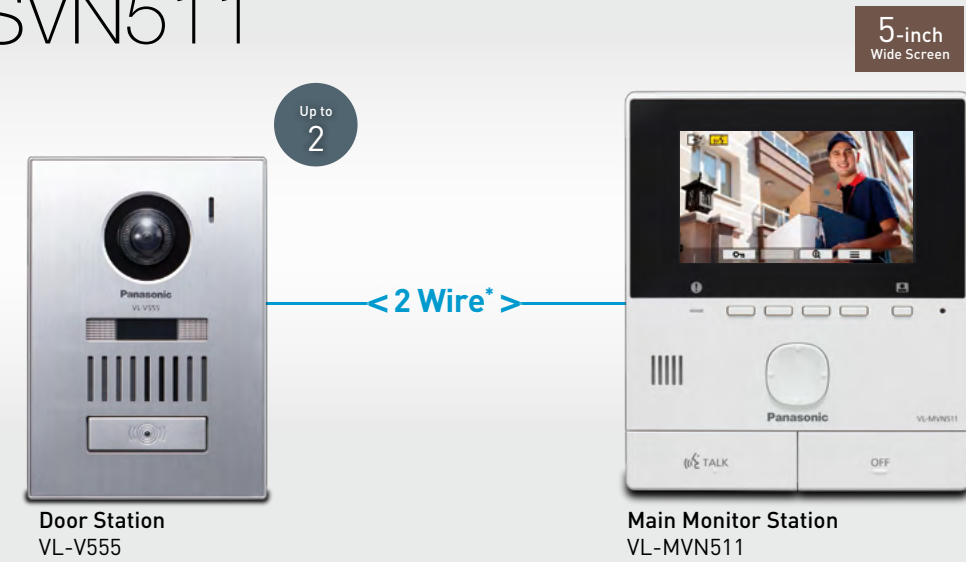
Wireless Video Intercom System VL-SWD501



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

Smartphone Connect Series

Video Intercom System VL-SVN511



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

DECT Wireless

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



SD Card Recording

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



Touch Panel

The main monitor has a 5-inch wide screen that clearly shows each visitor's face. If it is difficult to see, simply touch the screen to activate an approximate 2x zoom horizontally and vertically. This makes it easy for everyone to see, and provides an easy-to-use operating screen.



Other Features

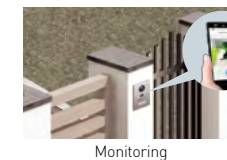
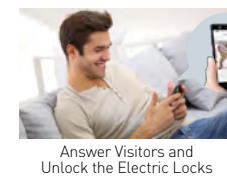
- Electric Lock Release Support : AC12 V-1 A / DC12 V-1 A
- Wide-Angle Camera (Horizontally:170°, Vertically:115°)
- Wireless Sensor Cameras Connectable
- Night Vision (warm white coloured LED lights)
- Voice Changer
- Intercom Call (between main monitor and sub monitor)

Options

Door Station (Doorphone) VL-V554 (Surface mount) VL-V554U (Flush mount) CMOS 1.0 M pixels Up to 2	Flush Mounting Box VL-MB554	Wireless Monitor Station (Sub Monitor) VL-WD613 Up to 6	Wireless Sensor Camera VL-WD812 Up to 4	DECT Repeater VL-FKD2 Up to 2
--	--	---	---	---

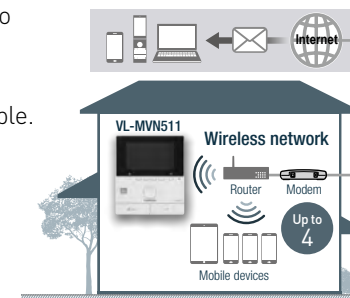
Smartphone Connect*1

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



Wireless Network Connection

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



Options

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

*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.

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))
- Wide-Angle Camera (Horizontally:170°, Vertically:130°)
- 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/>

Model Composition

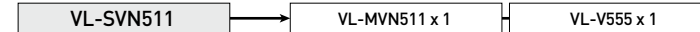


Model number and name	VL-MWD501	VL-V554 (Surface mount) VL-V554U (Flush mount)	VL-WD613	
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Wireless Monitor Station (Sub monitor)	
			Main body	Charger
Dimensions (Unit: mm)				
Power source	Power supply unit (VL-PS240) 24 V DC, 0.5 A (VL-PS240 supplied)	Supplied by the main monitor 20 V DC, 0.23 A	Rechargeable Ni-MH (AAA x 2)	AC adaptor (Product No. PNLV226CE/PNLV226E) Output: 5.5 V DC, 0.5 A
Power consumption	Standby: Approx. 1.4 W During operation: Approx. 10 W	—	—	Standby: Approx. 0.4 W (when the sub monitor is not placed in the charger) During charging: Approx. 1.4 W
Dimensions (H x W x D) (Excluding protruding sections)	180 x 165 x 21 mm	VL-V554: 169 x 118 x 30 mm VL-V554U: 169 x 118 x 16.5 mm (excluding sections embedded into the wall)	173 x 52 x 30 mm	43 x 81 x 76 mm
Weight	470 g	VL-V554: 405 g VL-V554U: 345 g	160 g (including the batteries)	70 g (excluding the AC adaptor)
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 % (tested up to -20 °C)	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	5-inch wide colour / WVGA (800x480 pixels)	—	2.2-inch colour / QVGA (320x240 pixels)	—
Display language	English, French, German, Spanish, Italian, Dutch (VL-MWD501FX: English, Polish, Romanian, Hungarian)	—	Depends on main monitor	—
Talking method	Hands-free	Hands-free	Hands-free	—
Frequency range	1.88 GHz to 1.90 GHz	—	1.88 GHz to 1.90 GHz	—
Transmitting range	—	—	Approx. 100 m (line-of-sight distance from the main monitor)	—
Option output (A contact)	Rated load: 24 V AC/DC, 0.3 A or lower Minimum applicable load: 5 V DC, 0.001 A (Output when there is a call from the doorphone)	—	—	—
Viewing angle	—	Horizontally: Approx. 170° Vertically: Approx. 115°	—	—
Image sensor / camera (pixel)	—	CMOS sensor (Approx. 1.0 M pixels)	—	—
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	—	Warm white coloured LED lights	—	—
IP rating / IK rating	—	IP54*1 / Compliant with IK07	—	—
Installation method	Wall mount (mounting bracket supplied)	VL-V554: surface mount (mounting base supplied) VL-V554U: flush mount (flush mounting box supplied)	—	—
External material	Flame retardant ABS and PS resin	Aluminium and flame retardant PC+PS resin	ABS resin	ABS resin

Options

Model number and name	VL-WD812 (For VL-SWD501)		VL-FKD2 (For VL-SWD501)
	Wireless Sensor Camera	Power Supply Unit (VL-PS240)	DECT Repeater
Dimensions (Unit: mm)			
Power source	Power supply unit (VL-PS240) 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 (Product No. PQLV219CE/PQLV219E) Output: 6.5 V DC, 0.5 A
Power consumption	During standby: Approx. 1.5 W During operation: Approx. 4.5 W (when the LED lights are not lit), Approx. 8 W (when the LED lights are lit)	—	During standby: Approx. 1.5 W During operation: Approx. 2.3 W (when transmitting)
Dimensions (H x W x D)	160 x 118 x 290 mm (when the camera is front facing and including the wall mount bracket)	116 x 100 x 54 mm	82 x 111 x 39 mm
Weight	960 g	230 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

Model Composition



Model number and name	VL-MVN511	VL-V555	VL-PS240	VL-RLY1
	Main Monitor Station (Main monitor)	Door Station (Doorphone)	Power Supply Unit	Relay Box
Dimensions (Unit: mm)				
Power source	Power supply unit (VL-PS240) 24 V DC, 0.5 A	Supplied by the main monitor	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A	Supplied by the main monitor
Power consumption	Standby: Approx. 1.8 W During operation: Approx. 10 W	—	—	—
Dimensions (H x W x D) (Excluding protruding sections)	186 x 161 x 23.5 mm	169 x 118 x 30 mm	116 x 100 x 54 mm	92 x 78 x 38 mm
Weight	485 g	395 g	230 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, French, German, Spanish, Italian, Dutch (VL-MVN511FX: English, Polish, Romanian, Hungarian)	—	—	—
Talking method	Hands-free	—	—	—
Wireless transmission method	IEEE 802.11 b/g/n 2.4 GHz	—	—	—
Viewing angle	—	Horizontally: Approx. 170° Vertically: Approx. 130°	—	—
Image sensor / camera (pixel)	—	CMOS sensor (Approx. 0.3 M pixels)	—	—
Minimum illuminance required	—	1 lx (within approx. 50 cm from the camera lens)	—	—
Lighting method	—	White coloured LED lights	—	—
IP rating / IK rating	—	IP54*1 / Compliant with IK07	—	—
Installation method	Wall mount (mounting bracket supplied)	Surface mount (mounting base supplied) or Flush mount (flush mounting box sold separately)	Wall mount or attach to DIN rail	Wall mount or attach to DIN rail
External material	Flame retardant ABS and PS resin	Aluminium and flame retardant PC+PS resin	Flame retardant PC+ABS resin	Flame retardant ABS resin

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

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)
- **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



SIP Phone

Communication



- **Recommended Model-No.***
 - KX-HDV430 (Video and Audio)**
 - KX-HDV230 (Audio)
 - KX-HDV130 (Audio)

** Requires changing Lobby Station bit rate to 1 Mbps for optimal video quality

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***
 - i-PRO 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

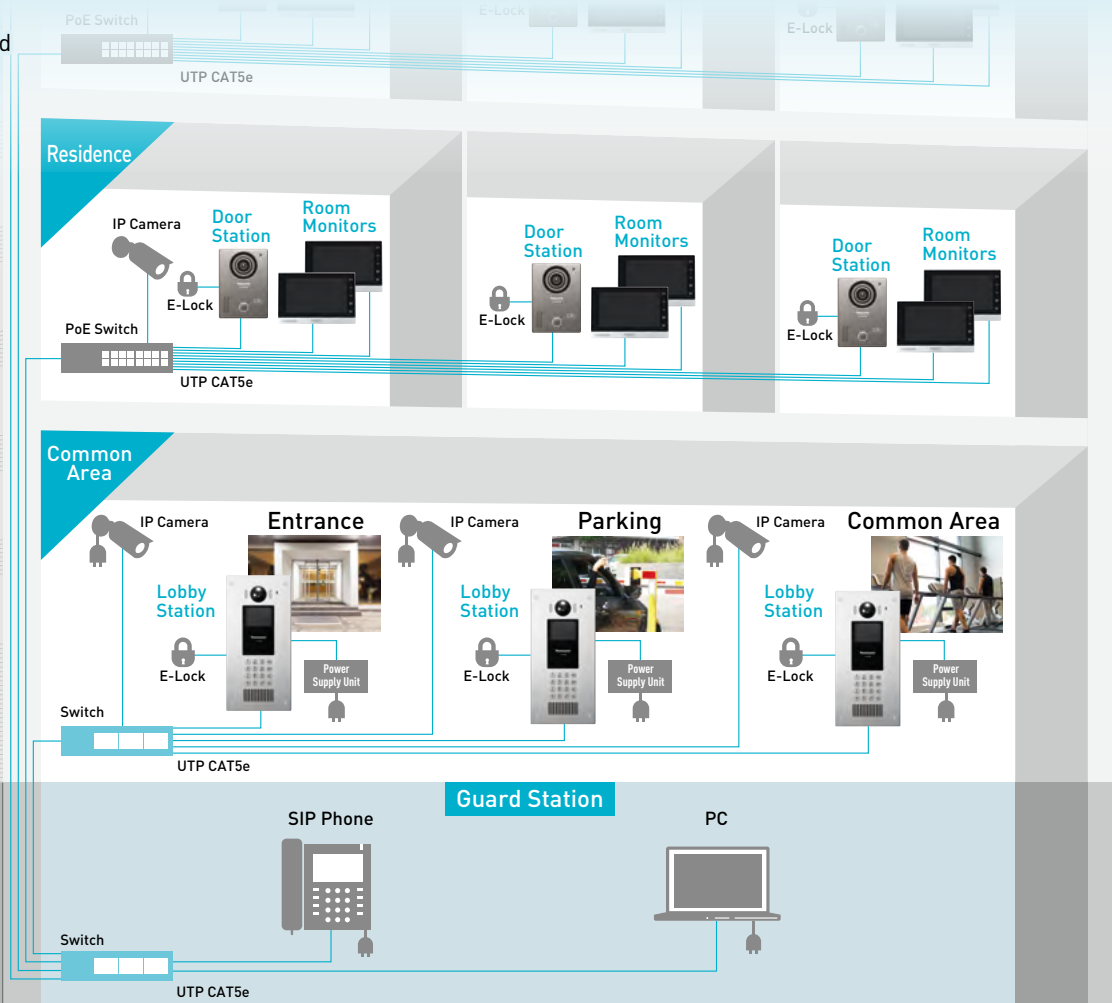
* External mail server and an internet connection are required.

System Diagram of the Apartment System

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

FUNCTION

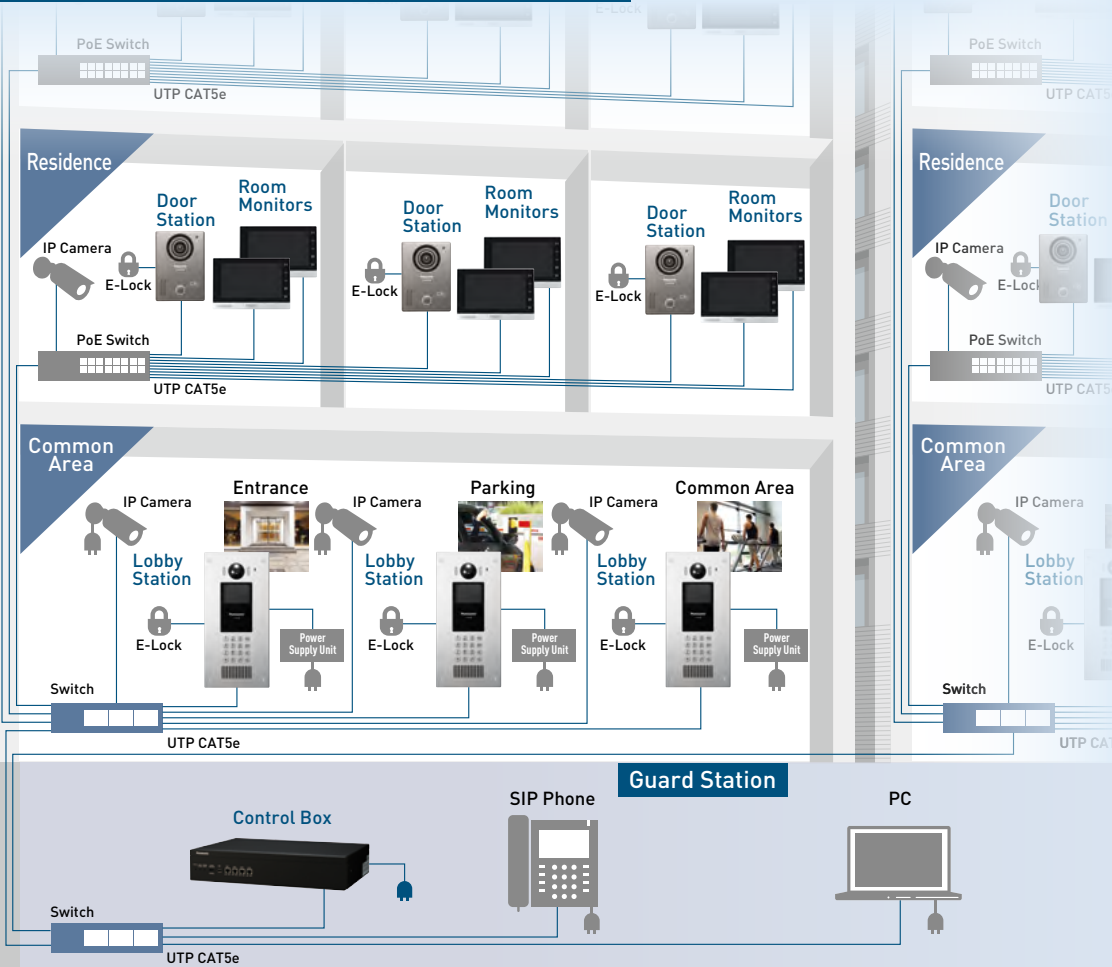
- 200 SIP devices are supported
- Multiple sessions are supported
- Send text mail from control room to all monitors
- Easy setup by PC tool



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

FUNCTION

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



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

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

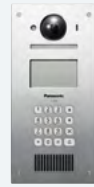
Model number and name	VL-VN1900	
	Lobby Station	Power Supply Unit (VL-PS240)
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS240) 24 V DC, 0.6 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A
Power consumption	Standby: 3.5 W, During operation: 8.5 W	—
Dimensions (H x W x D) (Excluding protruding sections)	373 x 179 x 6 mm	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	Ethernet II (DIX) 10Base-T/100Base-TX (auto negotiate)	—
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	<ul style="list-style-type: none"> • 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 • Recording images of visitors to NVR • 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 / During operation: 5.1 W VL-PS240: Standby: 2.6 W / During operation: 6.3 W	PoE: Standby: 1.9 W / During operation: 6.3 W VL-PS240: Standby: 2.1 W / During operation: 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	Ethernet II (DIX) 10Base-T/100Base-TX (auto negotiate)	Ethernet II (DIX) 10Base-T/100Base-TX (auto negotiate)	Ethernet 10BASE-T/100BASE-TX/1000BASE-T
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* / —	—	—
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	<ul style="list-style-type: none"> • Unlock individual doors via the RFID card (MIFARE) • Theft detection buzzer 	<ul style="list-style-type: none"> • Monitoring through the IP 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 • Register up to 18 SIP Phones per monitor 	<ul style="list-style-type: none"> • 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.

Analogue Video Intercom System for Apartment Complexes



Lobby Station VL-V900

Doorphone 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. 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 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 control

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.

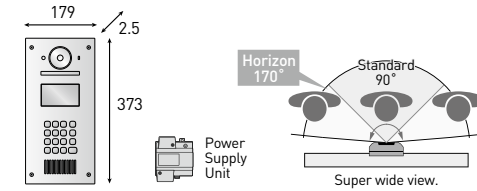
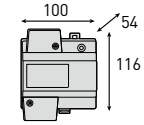
Role as a repeater box

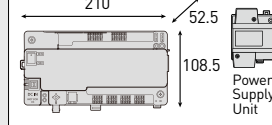
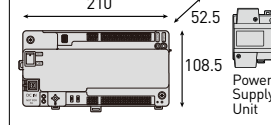
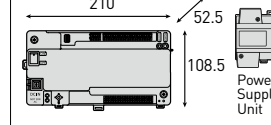
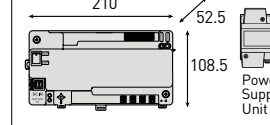
A repeater box for amplifying the signal when the control box and main monitor are far away from each other. Only one can be connected between the control box and distribution box #7.

Main Monitor Line Up

	VL-MVN511	VL-MV26
Supported functions		
Door station	1 door station input (VL-V555, VL-V554/V554U)	-
Door bell	1 door bell input	1 door bell input
Electric lock release support	Up to 2 (for individual x 1 ^{*1} , 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 30 images (up to 30 visitors, 1 shot per visitor)
Voice changer	Yes	-
Pan, Tilt, Zoom	Pan, Tilt, Zoom (for VL-V900, VL-V555, VL-V554/V554U)	-
Smartphone connect	Up to 4	-
E-mail notification	Up to 4 ^{*2}	-
Other functions	<ul style="list-style-type: none"> • Guard call • Monitor security camera • Emergency call 	<ul style="list-style-type: none"> • Guard call • Monitor security camera • Emergency call

*1 VL-RLY1 is required.
*2 The main monitor must be connected to a wireless router that is connected to the Internet in order to use email feature.

Model number and name	VL-V900	VL-PS240
	Lobby Station	Power Supply Unit
Dimensions (Unit: mm)		
Power source	Power supply unit (VL-PS240) 24 V DC, 0.2 A	Input: 220-240 V AC, 0.2 A (50/60 Hz) Output: 24 V DC, 0.6 A
Power consumption	Standby: Approx. 1.9 W During operation: Approx. 4.5 W	-
Dimensions (H x W x D) [Excluding protruding sections]	373 x 179 x 2.5 mm (excluding sections embedded into the wall)	116 x 100 x 54 mm
Weight	2.0 kg	230 g
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. 0 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)
Display	4.3-inch monochrome display (white backlit LCD)	-
Display languages	VL-V900BX: English, VL-V900TK: Turkish	-
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	<ul style="list-style-type: none"> • Guidance (simple usage for visitors) • Night colour vision (white coloured LED lights) • Heat sensor: The backlight of the display and buttons are turned on when a visitor is 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 (Distribution mode / Repeater mode)	Lift Controller	Extension Box
Dimensions (Unit: mm)				
Power source	Power supply unit (VL-PS240) 24 V DC, 0.2 A			
Power consumption	Standby: Approx. 3.5 W During operation: Approx. 3.7 W	Standby: Approx. 1.2 W During operation: Approx. 2.0 W	Standby: Approx. 0.4 W During operation: Approx. 4.4 W	Standby: Approx. 1.5 W During operation: Approx. 1.5 W
Dimensions (H x W x D) [Excluding protruding sections]	108.5 x 210 x 52.5 mm			
Weight	400 g			
Operating environment	Ambient temperature: -10 °C to +50 °C Relative humidity (non-condensing): up to 90 % (indoor use only)			
Installation method	Wall mount or attach to DIN rail			
External material	ABS (flame retardant ABS resin)			
Log	Save the text logs and visitors' images in the SD card (sold separately) Text logs: More than 90,000 items Images: Up to 90,000 images	-	-	-
Supported functions	USB connection (provide PC application/English) <ul style="list-style-type: none"> • date and time setting (HH:MM DD/MM/YYYY) • set the room number to the 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 <ul style="list-style-type: none"> • Mode change (Distribution mode/Repeater mode) • Termination setting (Normal/Terminal) • ID setting (1-7 by binary number) 	Supported control methods <ul style="list-style-type: none"> • 1:1 control (Relay signalling) • Binary control 	Extend Lobby Stations

*1 Water resistance is only assured if the lobby station is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken.
*2 The supported control method depends on the specifications of the lift and lift control box. Contact the lift manufacturer for details.

System Diagram of the Apartment System

Up to **560** room units total

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

Entrance

Common Area

Parking

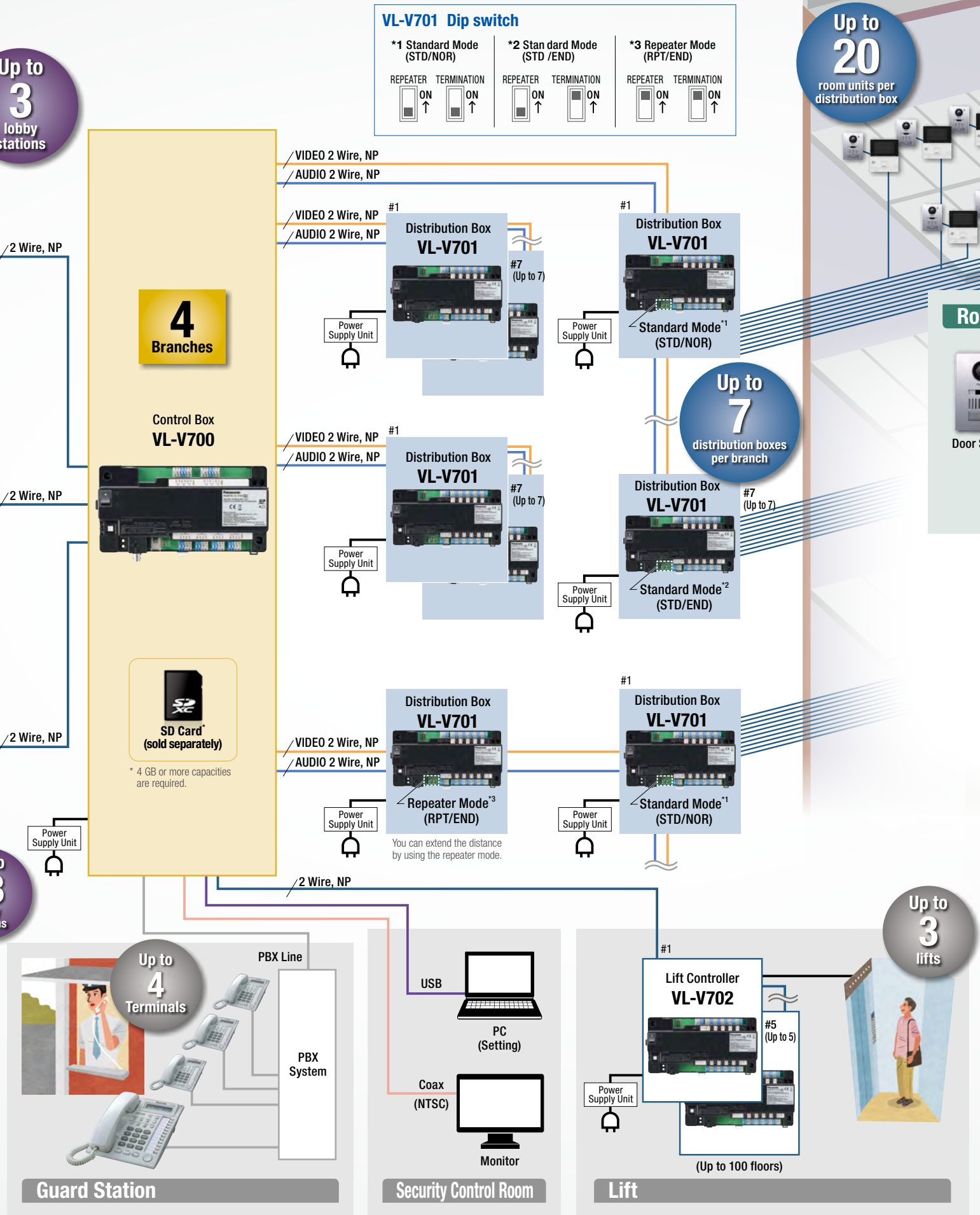
Each area is connected to a **Lobby Station VL-V900** which includes a Security Camera, E-Lock1, Access control, and Power Supply Unit. The station is connected to the system via Coax (NTSC/PAL) and 2 Wire, NP.

Up to **3** lobby stations

System Diagram with Extension Box

4 or more Lobby Stations can be installed by adding Extension Boxes.

- Up to 3 Extension Boxes can be connected to one Control Box.
- Up to 6 Lobby Stations can be connected to each Extension 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 room units or terminals.



Up to **20** room units per distribution box

Up to **7** distribution boxes per branch

Room

Expandable options

Free application for smartphone support (for VL-MVN511)

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

No	Wiring run	Wire diameter	
		0.65 mm (22 AWG)	1.2 mm (17 AWG)
1	Control Box - Lobby Station	100 m	200 m
2	Control Box - Distribution Box (Standard Mode ²)	100 m	200 m
3	Distribution Box (Standard Mode ^{1,2}) - Main Monitor	100 m	200 m
4	Control Box - Distribution Box (Repeater Mode ³)	100 m	200 m
5	Distribution Box (Repeater Mode ³) - Distribution Box (Standard Mode ²)	100 m	200 m
6	Control Box - the farthest Lift Controller	100 m	200 m