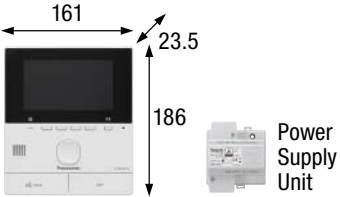
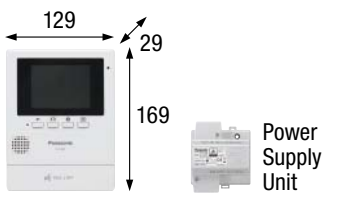


Specifications

Model number (Name)	VL-MVN511 (Main Monitor)	VL-MV26 (Main Monitor)
Dimensions (mm)		
Power source	Power supply unit (VL-PS240) 220-240 V AC 24 V DC, 0.5 A	Power supply unit (VL-PS240) 220-240 V AC
Power consumption	Standby: Approx. 1.8 W During operation: Approx. 10 W	Standby: Approx. 1.2 W During operation: Approx. 8 W
Weight	485 g	330 g
Operating environment	Ambient temperature: Approx.0 °C to +40 °C Relative humidity (non-condensing): up to 90 %	
Display	5-inch, wide colour / WQVGA (480x272 pixel)	3.5-inch, colour / QVGA (320x240 pixel)
Display language	VL-MVN511EX: English, French, Germany, Spanish, Italy, Dutch VL-MVN511TK: Turkish	English
PTZ	Pan, Tilt, Zoom (for VL-V900, VL-V555)	-
Picture recording	Up to 400 images (up to 50 visitors, 8 shots per visitor)	Up to 30 images (up to 30 visitors, 1 shot per visitor)
Frequency range	Wireless LAN: IEEE 802.11 b/g/n 2.4 GHz	-
External material	Flame retardant ABS and PS resin	Flame retardant ABS resin
Supported functions	<ul style="list-style-type: none"><li>• 1 door station input (VL-V555) / 1 door bell input</li><li>• Electric lock release (both individual<sup>1</sup> and public)</li><li>• Connecting to a PBX system</li><li>• Monitor security camera</li><li>• Voice change function: make woman's voice sound like a man's</li><li>• Smartphone Connect via wireless LAN<sup>2</sup></li><li>• Send mail via the Internet (with visitor's image)</li><li>• Emergency call</li></ul>	<ul style="list-style-type: none"><li>• 1 door bell input</li><li>• Electric lock release (public)</li><li>• Monitor security camera</li><li>• Connecting to a PBX system</li></ul>

\* 1 The optional VL-RLY1 is required to open individual electric locks.    \* 2 Smartphone application is available for free

Options:

VL-RLY1

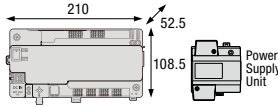
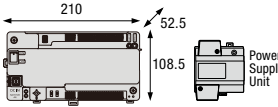
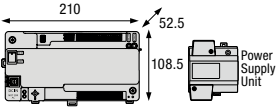
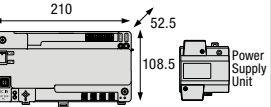
Relay Box  
(for VL-MVN511)



VL-V555

Door Station  
(Aluminium surface)  
(for VL-MVN511)



Model number (Name)	VL-V700 (Control Box)	VL-V701 (Distribution Box/Repeater Box)	VL-V702 (Lift Controller)	VL-V703 (Extension Box)
Dimensions (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
Weight	400 g			
Operating environment	Ambient temperature: -10°C to +50°C Relative humidity (non-condensing): up to 90 % (indoor use only)			
Log	Save the text logs and visitors' images in the SD card <sup>1</sup> 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"><li>• date and time setting (HH:MM DD/MM/YYYY)</li><li>• set the room number to the monitor</li><li>• estimate the status of the equipment in the system</li><li>• operation setting (terminal, pass code, and so on.)</li></ul> SD card (SDHC/SDXC): Log function VIDEO OUTPUT RJ-11: connect with PBX system	Dip switch <ul style="list-style-type: none"><li>• Mode change (Distributor mode/ Repeater mode)</li><li>• Termination setting (Normal/Terminal)</li><li>• ID setting (1-7 by binary number)</li></ul>	Supported control methods <ul style="list-style-type: none"><li>• 1:1 control (Relay signalling)</li><li>• Binary control</li></ul>	Extend Lobby Stations
Installation method	Wall mount or attach to DIN rail			
External material	ABS (flame retardant ABS resin)			

\* A Lift Controller (VL-V702) is provided. By using this controller, it is possible to synchronize the lift stop floor with the unlock control in the system.

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

\* 1 sold separately

Trademarks and registered trademarks

- SD, SDHC, SDXC, and SDXC Logo are trademarks of SD-3C, LLC.

Important

- Safety Precaution: carefully read the operating instructions and installation manual before using this product.

- The actual product may vary slightly from 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®

Panasonic

Video Intercom System  
for Apartment complexes  
VL-V900 and VL-V700 series



Key Features

Supports large apartment systems

3 lobby stations and 560 room monitors are supported for a building. When connected to a PBX, 4 guard stations and multiple buildings are supported. Up to 18 Lobby Stations can be installed by adding Extension Boxes.

Provides safety and security to residents

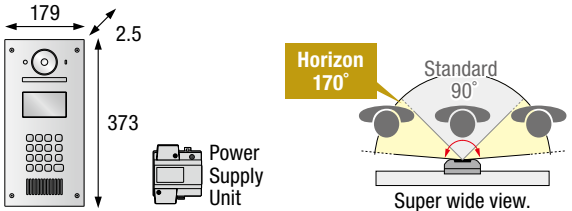
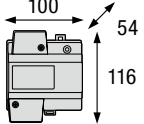
- 1) Answer visitors after checking their face. Check visitors using a smartphone.
- 2) Record the image of visitors and check them at any time.
- 3) Monitor common surveillance cameras from your own room.
- 4) Notify of accidents (fire, injury, etc.) to reception, another station via a PBX.

Easy and low cost installation

The system mainly needs only 2 wire cables (1 pair of cables), and less equipment. It provides an easy way to link up rooms in one location using a PC, and can also be set up with a room monitor in every room.

Safe and convenient maintenance functions

The system provides a self-diagnostic function to identify errors. It is easy to change the equipment and re-link. Log function for recording the face of visitors and the date.

Model number (Name)	VL-V900 (Lobby Station)	
Dimensions (Unit: mm)		<b>VL-PS240 (Power Supply Unit)</b> 
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 language	VL-V900BX: English, VL-V900TK: Turkish	-
Talking method	Hands-free	-
Viewing angle	Horizontally: Approx. 170° Vertically: Approx. 115°	-
Installation method	Flush mount (flush mounting box supplied)	Wall mount or attach to DIN rail
Image sensor	(1/4 inch) CMOS sensor (approx. 1M 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 <sup>1</sup> / Compliant with IK07	-
External material	Stainless steel (partially ABS and PC)	Flame retardant PC+ABS resin
Expanded interface	Support for electric lock releasing (entrance unlocking) x 1 VIDEO-IN (recommended Panasonic security camera) x 1	-
Supported functions	<ul style="list-style-type: none"><li>• Guidance (simple usage for visitors)</li><li>• Night colour vision (white coloured LED lights)</li><li>• Heat sensor: The backlight of the display and buttons are turned on when a visitor is detected</li><li>• Display the resident's names</li><li>• Unlock with PIN-code</li></ul>	-

\* 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.

# System Diagram of the Apartment System

- Total System**
- Control Box** 1 unit
  - Distribution Box** 28 units
  - Main Monitor** 560 units

## Entrance



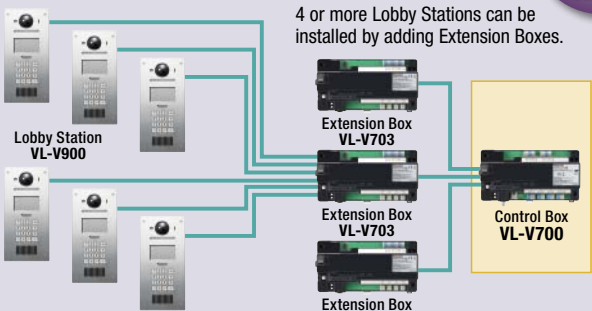
## Common Area



## Parking



## System Diagram with Extension Box



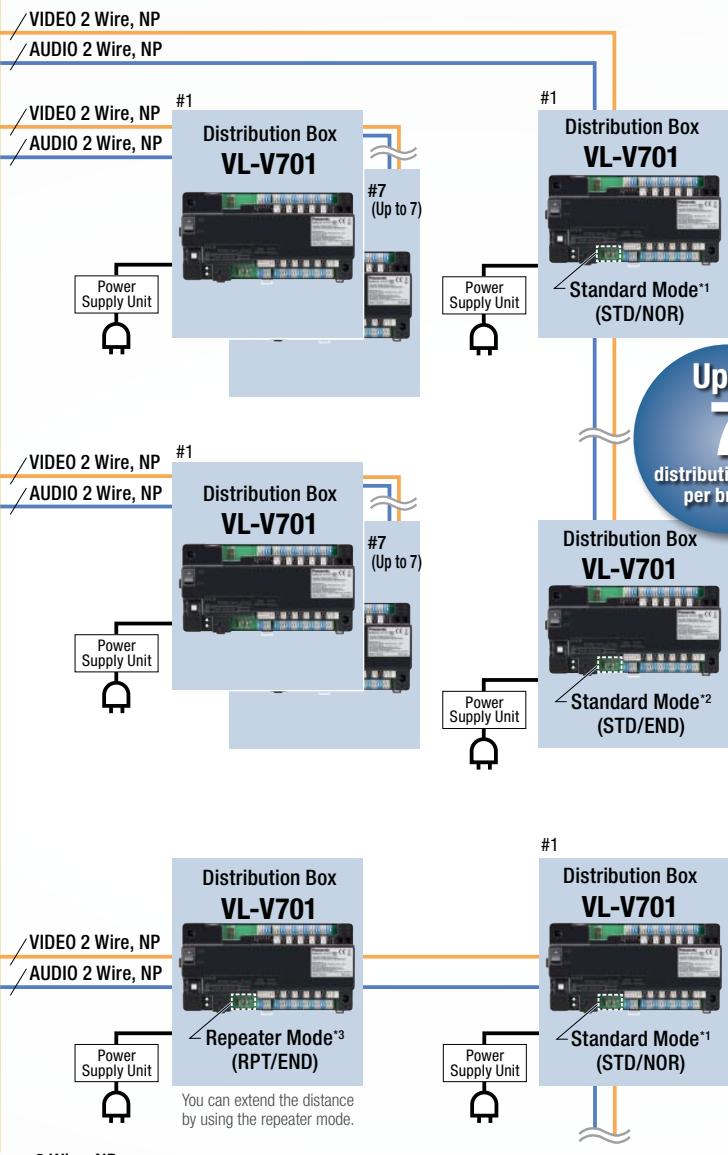
- Up to 3 Extension Boxes can be connected to one Control Box.
- Up to 6 Lobby Stations can be connected to each Extension Box.
- Extension Boxes do not operate as repeaters that allow longer distances between the Control Box and Lobby Stations.
- Lobby Stations (VL-V900) connected to Extension Boxes (VL-V703) cannot be called from the main monitors or terminals.

Up to 3 lobby stations

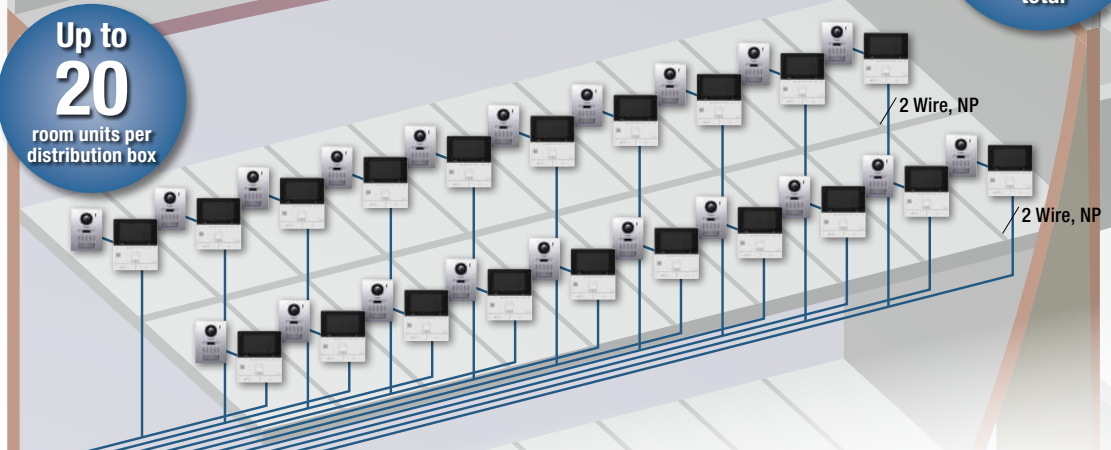


### VL-V701 Dip switch

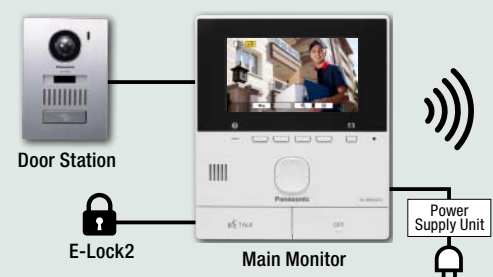
- \*1 Standard Mode (STD/NOR)
- REPEATER ON ↑ TERMINATION ON ↑
- \*2 Standard Mode (STD/END)
- REPEATER ON ↑ TERMINATION ON ↑
- \*3 Repeater Mode (RPT/END)
- REPEATER ON ↑ TERMINATION ON ↑



Up to 20 room units per distribution box



## Room



### Expandable options

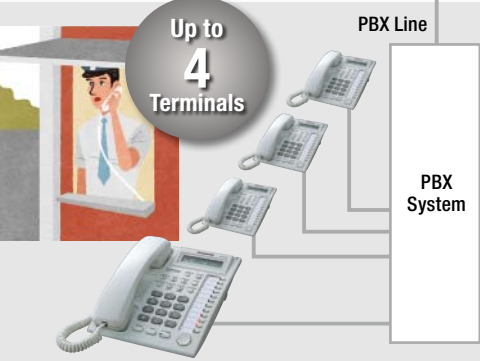
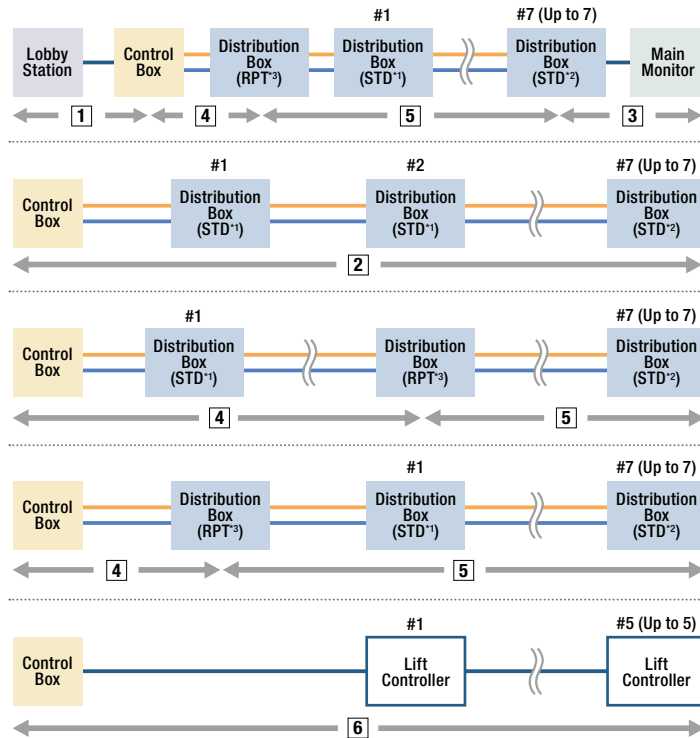


Free application for smartphone support (for VL-MVN511)

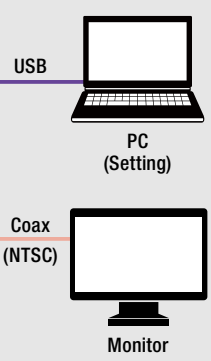
### Wiring Distance

\* Use PE (polyethylene)-insulated cables.

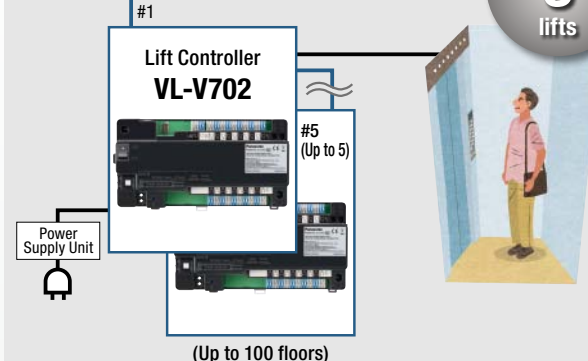
No	Wiring run	Wire diameter	
		0.65 mm (22 AWG)	1.2 mm (17 AWG)
1	Control Box - Lobby Station	100 m	200 m
2	Control Box - Distribution Box (Standard Mode*2)	100 m	200 m
3	Distribution Box (Standard Mode*1*2) - Main Monitor	100 m	200 m
4	Control Box - Distribution Box (Repeater Mode*3)	100 m	200 m
5	Distribution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



## Guard Station



## Security Control Room



## Lift

Up to 3 lifts