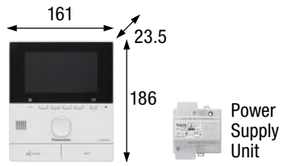
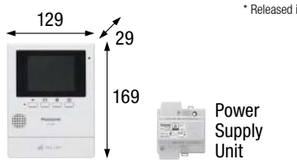
Specifications

Model number (Name)	VL-MVN511 (Main Monitor)	VL-MV26 (Main Monitor)
Dimensions (mm)		* Released in 2016 
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	• 1 door station input (VL-V555) / 1 door bell input • Electric lock release (both individual*1 and public) • Connecting to a PBX system • Monitor security camera • Voice change function: make woman's voice sound like a man's • Smartphone Connect via wireless LAN*2 • Send mail via the Internet (with visitor's image) • Emergency call	• 1 door bell input • Electric lock release (public) • Monitor security camera • Connecting to a PBX system

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

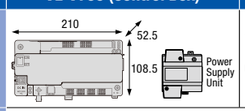
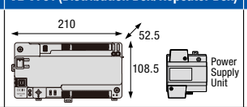
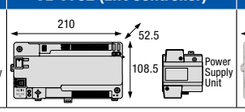
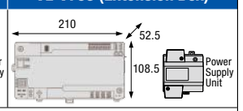
Options:

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			
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*1 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 (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 RJ-11: connect with PBX system	Dip switch • Mode change (Distributor mode/ Repeater mode) • Termination setting (Normal/Terminal) • ID setting (1-7 by binary number)	Supported control methods • 1:1 control (Relay signalling) • Binary control	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.

DISTRIBUTED BY :

Panasonic®

MG-DHPE006EN 1606TD/ZZZ-EU2

Panasonic

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

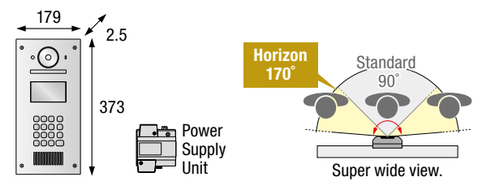
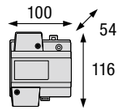
Key Features

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.

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)	VL-PS240 (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 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*1 / 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	• 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	-

* 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

Up to **3** lobby stations

Up to **18** lobby stations

Up to **560** room units total

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

Up to **7** distribution boxes per branch

Up to **3** lifts

Up to **4** Terminals

VL-V701 Dip switch

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

Entrance

Lobby Station **VL-V900**

Coax (NTSC/PAL)

Security Camera

E-Lock1

Power Supply Unit

Access control

Common Area

Lobby Station **VL-V900**

Coax (NTSC/PAL)

Security Camera

E-Lock1

Power Supply Unit

Access control

Parking

Lobby Station **VL-V900**

Coax (NTSC/PAL)

Security Camera

E-Lock1

Power Supply Unit

Access control

2 Wire, NP

2 Wire, NP

2 Wire, NP

Power Supply Unit

4 Branches

Control Box **VL-V700**

SD Card* (sold separately)

* 4 GB or more capacities are required.

VIDEO 2 Wire, NP

AUDIO 2 Wire, NP

#1

Distribution Box **VL-V701**

#7 (Up to 7)

Power Supply Unit

Standard Mode*1 (STD/NOR)

Standard Mode*2 (STD/END)

Repeater Mode*3 (RPT/END)

You can extend the distance by using the repeater mode.

2 Wire, NP

Room

Door Station

E-Lock2

Main Monitor

Power Supply Unit

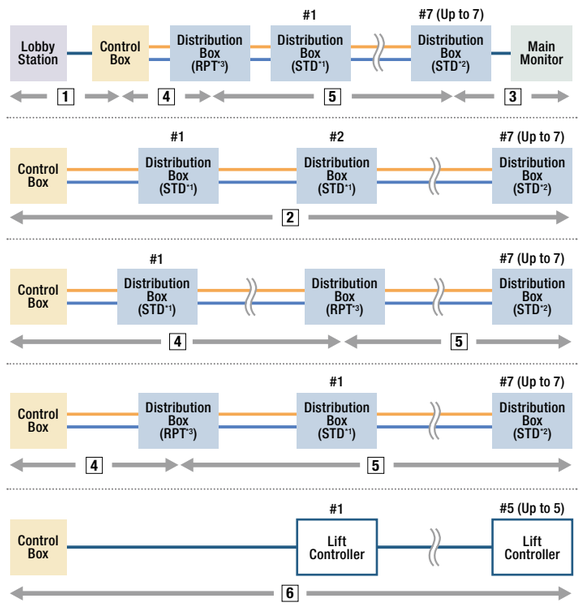
Expandable options

Free application for smartphone support (for VL-MVN511)

Wiring Distance

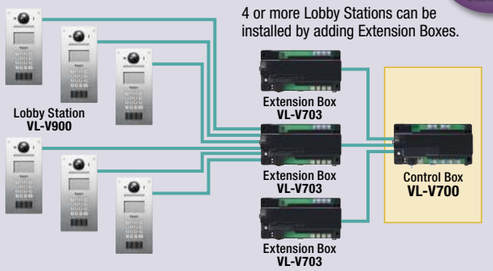
* Use PE (polyethylene)-insulated cables.

No	Wiring run	Wire diameter 0.65 mm (22 AWG)	Wire diameter 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



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 main monitors or terminals.

Guard Station

PBX Line

PBX System

Security Control Room

USB

PC (Setting)

Coax (NTSC)

Monitor

Lift

Lift Controller **VL-V702**

#5 (Up to 5)

Power Supply Unit

(Up to 100 floors)