

VL-V900 and VL-V700 series



Key Features

• Large-capacity, expandable:

The system supports up to 560 room units (main monitors) and 3 lobby stations. Optional devices such as cameras, access controllers (door openers, key switches, card scanners, etc.), electric locks, and a TV monitor can be connected.

Extension boxes can be used to increase the number of lobby stations that can be used in the system. Up to 3 extension boxes can be connected to the control box, and up to 6 lobby stations can be connected to each extension box. In all, the system supports up to 18 lobby stations.

• Easy to install, configure and maintain:

The system mainly needs only 2 wire cables (1 pair of cables), and minimal equipment.

System settings can be configured in advance using a computer, and uploaded on-site via USB connection.

System settings can be configured on-site using a lobby station, main monitor, and PBX extension telephone.

System events can be logged on an optional SD card (up to 90,000 images captured by a lobby station camera with text logs).

• Convenient features for residents, visitors, and facility staff:

The system can be used in the "room mode" (visitors can call rooms directly) or "reception mode" (visitors calls are routed through a receptionist).

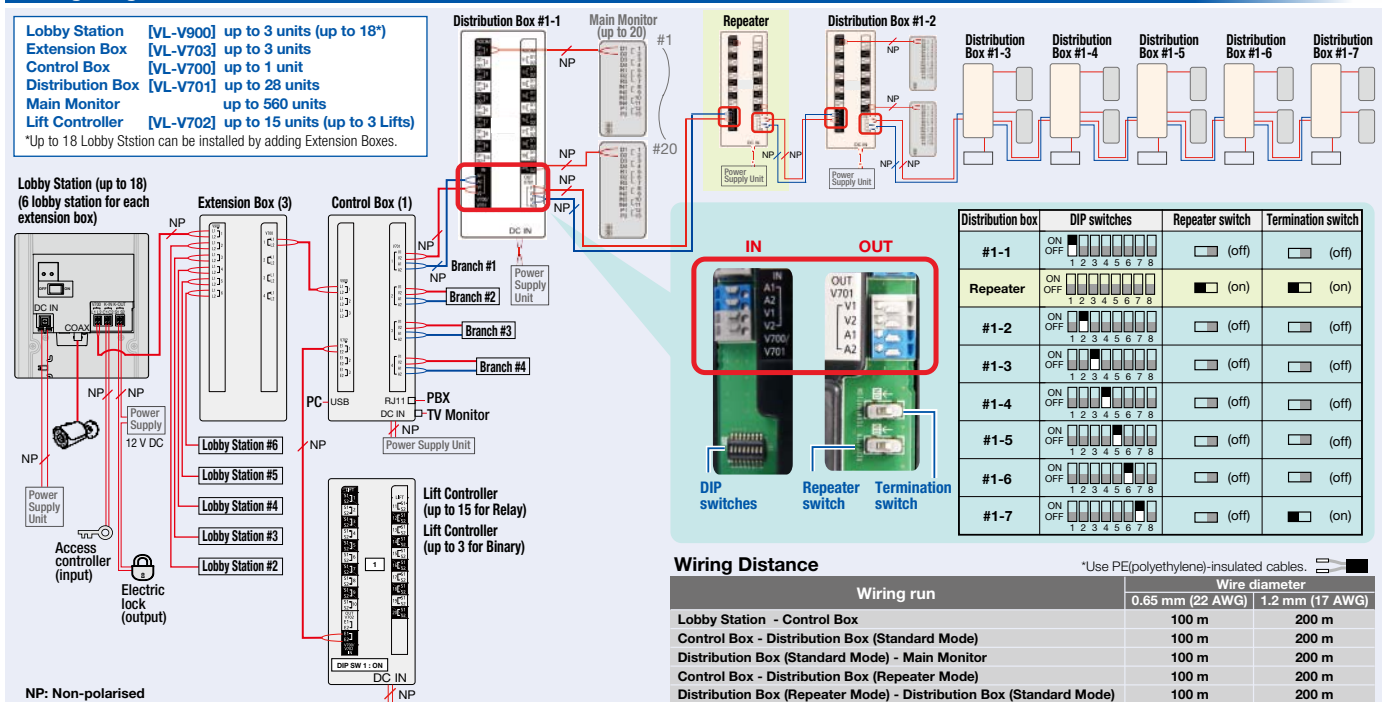
Visitors can use a lobby station to call residents or facility staff.

Residents can use their room monitors to monitor lobby stations and optional cameras, and can allow visitors to enter the lobby and lift.

Residents can use their room monitors to make emergency calls to facility staff. (Not available with the VL-MW251)

Facility staff can make and receive calls to and from residents and visitors.

Wiring Diagram



Accessory Information

For the Lobby Station

Flush mount box x1, Screw for Flush mount box (4 mm x 25 mm) x4, Hex wrench x1, Power supply unit x1 (AC cable is not included.)

Screw for power supply unit (4 mm x 40 mm) x2, Cable binder x2

For the Control Box, Distribution Box, Lift Controller, Extension Box

Screw for mounting the box (3.8 mm x 20 mm) x2, Power supply unit x1 (AC cable is not included.)

Screw for power supply unit (4 mm x 40 mm) x2, Cable binder x3

Setup tool, USB driver, manual and the latest firmware

Download information is available at the following web site.

<http://panasonic.net/pcc/support/intercom/v900>



Optional Accessories

Main Monitor
(Smartphone Connect Model)

VL-MVN511



Main Monitor
(DECT Wireless Monitor & Wired Monitor Connect Model)

VL-MWD272



Main Monitor
(2.4GHz Wireless Monitor Connect Model)

VL-MW251








Main Monitor
(Standard Model)

VL-MV26



Specifications

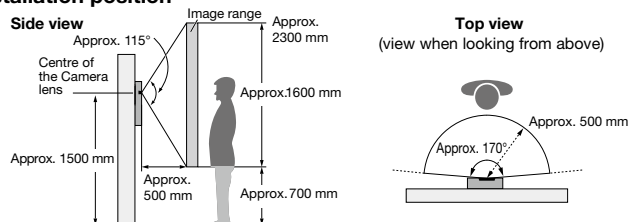
	VL-V900	VL-V700	VL-V701	VL-V702	VL-V703
Model number and name	Lobby Station	Control Box	Distribution Box / Repeater Box	Lift Control Box	Extension Box
Dimensions	Up to 3 (Up to 18")  Power Supply Unit	 Power Supply Unit	Up to 28  Power Supply Unit	Up to 15  Power Supply Unit	Up to 3  Power Supply Unit
Power source	Power supply unit (VL-PS240) 24 V DC, 0.2 A	Power supply unit (VL-PS240: AC 220-240 V)			
Power consumption	Standby: Approx. 1.9 W During operation: Approx. 4.5 W	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)	373 x 179 x 2.5 mm (excluding sections embedded into the wall) Flush mounting only	108.5 x 210 x 52.5 mm			
Weight	2.0 kg	400 g			
Operating environment	Ambient temperature: Approx. -10 °C to +55 °C, Relative humidity (non-condensing): up to 90 %	Ambient temperature: -10°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	—			
Viewing angle	Horizontally: Approx. 170°, Vertically: Approx. 115°	—			
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 ^{*2} / Compliant with IK07	—			
Installation method	Flush mount (flush mounting box supplied)	Wall implanted (or can be installed on DIN rail)			
External material	Aluminium / stainless steel	Flame retardant ABS resin			
Supported functions	Support for electric lock releasing (entrance unlocking) x 1 VIDEO-IN (recommended Panasonic CCTV) x 1 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	USB connection (provide PC application / English) • date and time setting • set the room number with the monitor • estimate the status of the equipment in the system • operation setting (terminal, pass code, and so on.) SD Card (SD / SDHC / SDXC): Log function ^{*3} VIDEO OUTPUT (NTSC up to 1) 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

*1 Up to 18 Lobby Stations can be installed by adding Extension Boxes. *2 Water resistance is only assured if the Door Station is installed correctly according to the instructions in the Installation Guide, and appropriate water protection measures are taken.

*3 Text logs: More than 90,000 items / Images: Up to 90,000 images

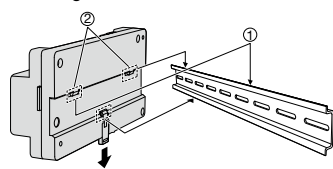
Installing the Lobby Station

Installation position



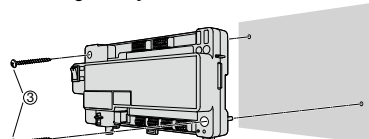
Installing the Control Box, Distribution Box, Lift controller, Extension Box

Mounting on a DIN rail



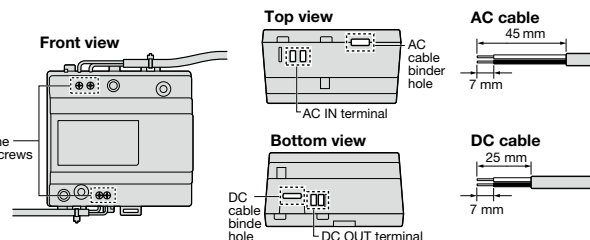
Mount the control box on the DIN rail ① using the hooks ②.


Attaching directly to a wall



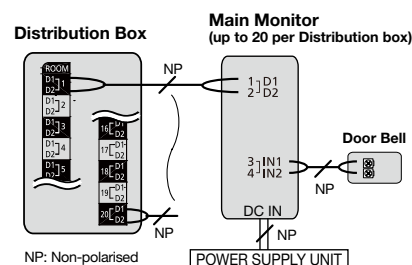
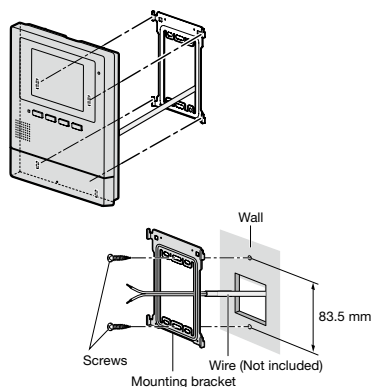
Attach the unit to the wall securely using the 2 supplied screws ③.

Installing the Power Supply Unit



	VL-MV26
Model number and name	Main Monitor
Dimensions	129 x 29 x 169 mm  Power Supply Unit
Power source	Power supply unit (VL-PS240) 220-240 V AC
Power consumption	Standby: Approx. 1.2 W, During operation: Approx. 8 W
Weight	330 g
Operating environment	Ambient temperature: Approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	3.5-inch, colour / QVGA (320x240 pixel)
Display language	English
Picture recording	Up to 30 images (up to 30 visitors, 1 shot per visitor)
External material	Flame retardant ABS resin
Supported functions	<ul style="list-style-type: none"> • 1 door bell input • Electric lock release (public) • Monitor security camera • Connecting to a PBX system • Emergency call

Installing the VL-MV26 Main Monitor



Trademarks and registered trademarks

- SD, SDHC and SDXC 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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