

## Installation Guide

### Door Station

Model No. **VL-V554EX**  
**VL-V554UEX**

\* VL-V554EX is a surface mount type, VL-V554UEX is a flush mount type.



Door station  
(Door station is described as "doorphone" in this guide.)

#### Note to the installer

- Before attempting to connect or operate this product, please read the label on the rear of the doorphone.
- Please read this guide carefully, and install the product safely and correctly by following the instructions. Carefully read the information found in the section titled "For your safety" in particular.
- Only use attachments/accessories specified by the manufacturer.
- The installation shall be carried out in accordance with all applicable installation rules.
- Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this guide. Additionally, any resulting malfunction will not be covered under the warranty.
- Refer to the Installation Guide of the Video Intercom System for the relevant information.
- After installation, make sure to leave this guide with the customer.

## For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

### WARNING

#### Preventing fire, electric shock and short circuits

- Leave installation work to the dealer. Installation work requires technique and experiences. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Consult the dealer.
- Do not attempt to disassemble or modify this product. Contact an authorised service centre for repairs.
- Never install wiring during a lightning storm.
- Do not connect non-specified devices.
- Do not make any wiring connections when the power supply is turned on.
- Do not directly spray the product with water from a hose or other objects.
- When existing chime wires are used, it is possible that they contain AC voltage. Contact an authorised service centre.

### CAUTION

#### Preventing electric shock

- If the wiring is underground, do not make any connections underground.
- If the wiring is underground, use a protection tube.
- If the wiring is outdoors, use a protection tube or a surge protector.

#### Preventing injury

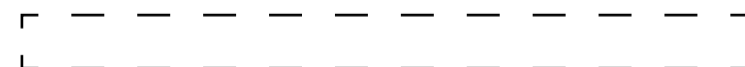
- Install the product securely adhering to the instructions in this guide to prevent it from falling off the wall. Avoid installing onto low-strength walls, such as gypsum board, ALC (autoclaved lightweight concrete), concrete block, or veneer (less than 18 mm thick) walls.

## For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.	Date of purchase
(found on the rear of the product)	
Name and address of dealer	

Attach your purchase receipt here.



Panasonic System Networks Co., Ltd.  
1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan  
<http://www.panasonic.net/>

© Panasonic System Networks Co., Ltd. 2013

PNQW3988ZA PC1113MTO

## Supplied accessories for installation

Mounting base × 1 (EX only)	Flush mounting box × 1 (UEX only)	Screw × 4 (Used when installing the doorphone) (EX : 4 mm x 12 mm) (UEX : 4 mm x 25 mm)
Name plate × 2 (incl. 1 spare)	Hex wrench × 1	

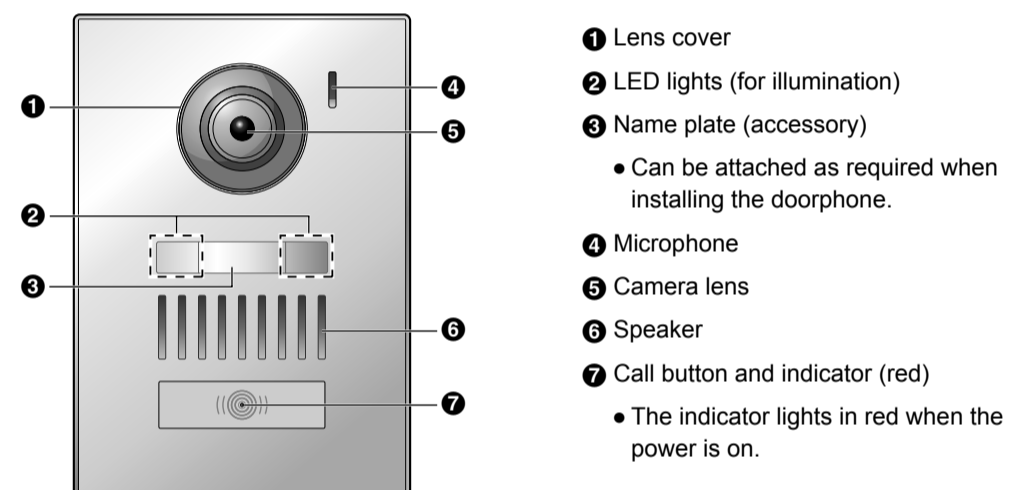
#### Important:

- You will need the following additional items to install and configure the doorphone.** [Locally procured]
  - Screws × 2 (for mounting base): Prepare the screws (☞ the drawing on the right) according to the material, structure, strength and other factors of the mounting area and the total weight of objects to be mounted.
  - Wires (for doorphone and other connections): Prepare wires of the appropriate specification. (☞ "Wire type and length")

#### Note:

- In the event of problems, you should contact your equipment supplier in the first instance.
- Please refer to the "General information" section in the Video Intercom System Operating Instructions for information regarding the R&TTE Directive.
- The illustrations in the supplied manual(s) may vary slightly from the actual product.

## Location of controls



#### Doorphone image quality

- The following phenomena may occur. They are not malfunctions.
- If strong light such as sunlight shines into the camera lens, uneven colouring from reflected light, or white lines or circles may appear in images.
  - Images may appear distorted because of the characteristics of the camera lens.
  - When there is poor light in the area around the doorphone or at night:
    - Areas lit with external lights or white objects may appear greenish.
    - Even when the doorphone's LED lights are lit, because the light from the LED lights cannot illuminate the edges of the visible area (the areas directly next to the doorphone), faces of people may not be identifiable even when they are close to the doorphone. (We recommend installing extra lights in the area around the doorphone.)

## Precautions for installation

- To avoid malfunction or communication disturbances, do not install the doorphone in the following locations:
  - Places where vibration or any other kind of impact occurs.
  - Places where echoing is frequent.
  - Places near a high concentration of dust, hydrogen sulphide, ammonia, sulphur, or noxious fumes.
- If a strong light is shining on the doorphone, the visitor's face may not be distinguishable. Do not place the doorphone in the following locations:
  - Where most of the background is the sky.
  - Where the background is a white wall, and direct sunlight will reflect off it.
  - Where direct sunlight will shine on the doorphone.
- Do not place the doorphone in locations where echoing occurs, as this will cause the doorphone to beep frequently.
- Dust protection/water protection is IP54. (☞ "Specifications")
- Make sure the rear of the doorphone is not subject to water.
- Depending on the installation location, condensation may form on the doorphone's lens cover. This may cause images to become obscured. Condensation will dissipate as the temperature rises.

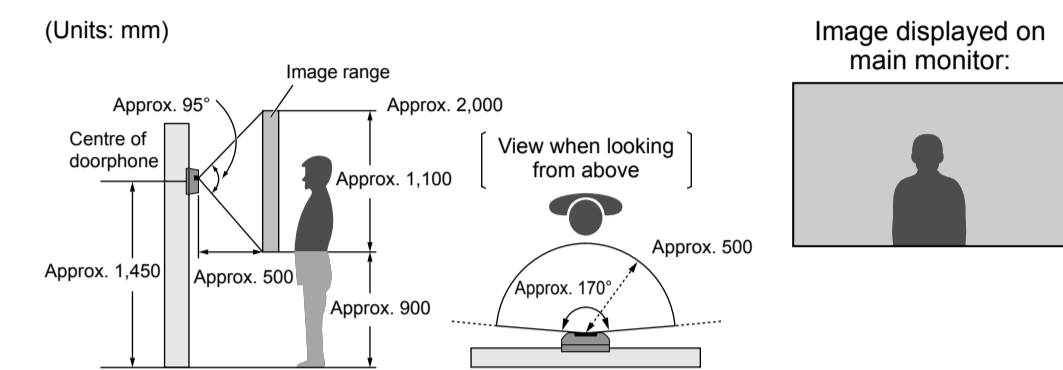
## Doorphone installation position

#### Installation height and area visible by the camera lens (when connected to VL-SWD501EX series)

You can use the [Wide/Zoom settings] setting on the main monitor station (called "main monitor") to select the area that is visible when a visitor calls; available settings are [Wide], [Zoom], and [All] (entire image display). (Default setting: [Wide])

- The following values are for when the doorphone is installed in the standard position (the centre of the doorphone's height is approximately 1,450 mm) and at a distance of approximately 500 mm from the camera lens.

#### When set to wide (default)



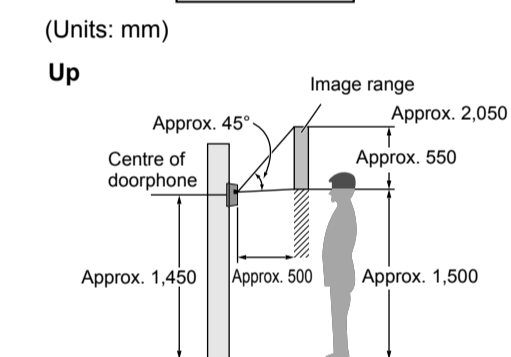
#### When set to zoom

Displays a portion of the wide image at 2 times the size.

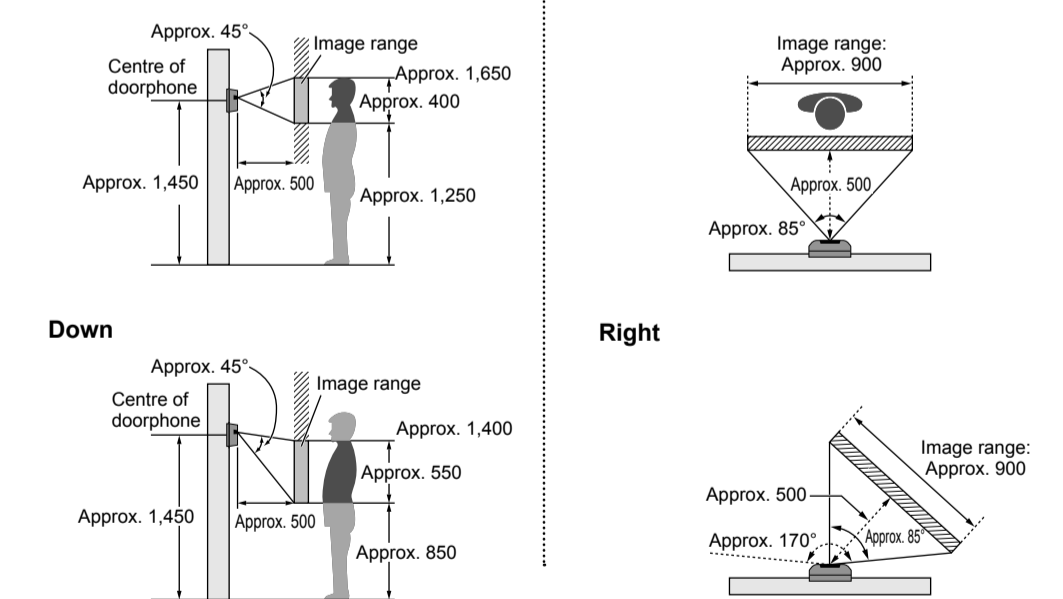
- Because a digital zoom is used, the image quality of zoom display is lower than that of wide display or entire image display.

- You can use the main monitor's [Zoom position settings] setting to select the desired area visible when zooming. Refer to the following and configure the main monitor.

#### Up and down

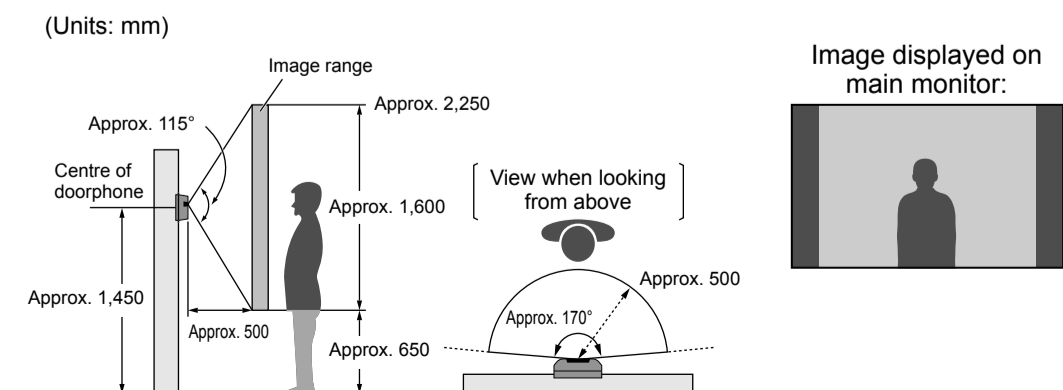


#### Left and right (when looking from above)



#### Entire image display

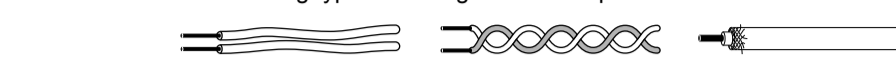
The area above and below the wide image is visible.



## Installing the doorphone

#### Important:

- On the bottom surface of the doorphone and the mounting base, there are holes to allow water to drain. Do not cover them up when installing.
- When existing wiring (such as chime wires) is used:
  - It may contain AC voltage that may cause electric shock and/or damage the product.
  - Never use the following types of wiring. Consult a qualified technician/dealer.



- See "Wire type and length" on the right for information about wiring materials.

VL-V554EX	VL-V554UEX
<p><b>1</b> Attach the mounting base to the wall securely.</p> <p>Screws (locally procured) × 2</p> <p>Wire (locally procured)</p> <p>• Install the mounting base on a vertical flat wall.</p>	<p><b>1</b> Install the flush mounting box in the wall.</p> <p>Flush mounting box (accessory)</p> <p>Knockout hole*1</p> <p>*1 Only open the knockout holes as required for the wiring.</p>
<p><b>2</b> Use a hex wrench (accessory) to loosen screw A and remove the front panel of the doorphone.</p> <p>2 mm hex wrench (accessory)</p> <p>Screw A</p>	<p><b>2</b> Use a hex wrench (accessory) to loosen screw A and remove the front panel of the doorphone.</p> <p>2 mm hex wrench (accessory)</p> <p>Screw A</p>
<p><b>3</b> Connect the wires.</p> <p>Terminal for the main monitor</p> <p>Terminals for the electric locks</p> <ul style="list-style-type: none"> <li>Recommended torque: 0.5 N·m (5.1 kgf·cm)</li> <li>Maximum torque: 0.7 N·m (7.1 kgf·cm)</li> </ul>	<p><b>3-1</b> Loosen the screws.</p> <p><b>3-2</b> Push in the wires to the terminal connectors (non-polar), then tighten the screws.</p>
<p><b>4</b> Attach the doorphone to the mounting base.</p> <p>Screws (accessory) × 4</p>	<p><b>4</b> Attach the doorphone to the flush mounting box.</p> <p>Screws (accessory) × 4</p>
<p><b>5</b> Attach the name plate to the doorphone and use screw A to secure the front panel.</p> <ul style="list-style-type: none"> <li>Write the name on the name plate as needed.</li> </ul> <p>Name plate (accessory)</p> <p>Screw A</p> <ul style="list-style-type: none"> <li>Recommended torque: 0.35 N·m (3.6 kgf·cm)</li> </ul>	<p><b>5</b> Attach the name plate to the doorphone and use screw A to secure the front panel.</p> <ul style="list-style-type: none"> <li>Write the name on the name plate as needed.</li> </ul> <p>Name plate (accessory)</p> <p>Screw A</p> <ul style="list-style-type: none"> <li>Recommended torque: 0.35 N·m (3.6 kgf·cm)</li> </ul>

## Wire type and length

Wiring run	Wire type*1		
	Diameter	Length (Max.)	
Main monitor – Doorphone	φ 0.65 mm	22 AWG	100 m
	φ 1.0 mm	18 AWG	130 m
	φ 0.5 mm	CAT 5	50 m
Doorphone – Electric lock*2	φ 0.5 mm - φ 1.2 mm (24 AWG - 17 AWG)		According to specification of connected device.

\*1 Conductor: Copper solid

\*2 When using an electric lock, select a device that meets the following guidelines:

- Electric lock connection terminal (S1/S2, S3/S4):
  - N/O dry closure contact
  - 12 V AC/DC, less than 1 A

## Specifications

Power source	Power supplied by the main monitor 20 V DC, 0.23 A
Dimensions (mm) (height x width x depth)	VL-V554EX: approx. 169 x 118 x 30 (excluding protruding sections) VL-V554UEX: approx. 169 x 118 x 16.5 (excluding sections embedded into the wall)
Mass (weight)	VL-V554EX: approx. 405 g VL-V554UEX: approx. 345 g
Operating environment	Ambient temperature: approx. -10 °C to +50 °C Relative humidity (non-condensing): up to 90 %
Viewing angle*1	Horizontally: approx. 170° Vertically: approx. 115°
Installation method	VL-V554EX: surface mount (mounting base supplied) VL-V554UEX: flush mount (flush mounting box supplied)
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)
Lighting method	LED lights
IP rating	IP54*2
IK rating	Compliant with IK07

\*1 When connected to the Video Intercom System VL-SWD501EX series.

\*2 Water resistance is only assured if the doorphone is installed correctly according to the instructions in this guide, and appropriate water protection measures are taken.

#### Note:

- Design and specifications are subject to change without notice.
- Names, company names, product names, software names, and logos mentioned in this manual are trademarks or registered trademarks of the companies concerned.

#### Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols (①, ②, ③) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

#### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

#### Information on Disposal in other Countries outside the European Union

These symbols (①, ②, ③) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

#### Note for the battery symbol

This symbol (②) might be used in combination with a chemical symbol (③). In this case it complies with the requirement set by the Directive for the chemical involved.

## Cleaning

Clean the product with a soft, dry cloth when cleaning. For excessive dirt, wipe the product with a slightly damp cloth.

#### Important:

- Do not use anything containing alcohol, polish powder, powder soap, benzine, thinner, wax, petroleum, or boiling water. Also do not spray with insecticide, glass cleaner, or hair spray. This could cause a change in colour or quality.