

# Panasonic



## Video Intercom Solution for Safe, Secure and Convenient Living

User-friendly UI, easy-to-use functions, and flexible network connectivity options support safe reception of visitors, peace of mind while away, and convenient use of public amenities.

\*Smartphone and IP Cameras are not included.

# Safe, Secure and Convenient Living

## Greet Visitors Anytime, Anywhere

The Smartphone Connect feature connects mobile devices to the system so homeowners can receive guests anytime, anywhere. Answer guests in real-time through the smartphone whether you're inside or outside your home.



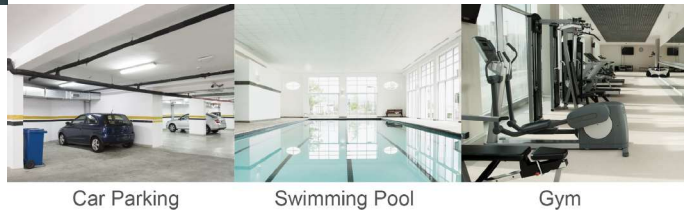
## Safe and Quick Contactless Entry

Residents simply need to send a QR code to their invited guests or deliveries in advance, so they can directly go to the unit's front door.

## All-day Surveillance through Smartphones

Internet protocol (IP) cameras can provide live view videos of public spaces such as the lobby, car parking, and recreational areas for security purposes. Residents able to access via room monitor and smartphones anytime, anywhere.

\*Up to 100 Internet protocol (IP) cameras can be integrated with IP video intercom system.





## Additional Security with SOS One Touch

Security measure that connects residents to the guard station with just one push of the button in case of a break-in or other emergencies.

\*Up to 8 slots can be used to link 3rd party devices (SOS buttons and sensors) to the IP video intercom system.

## Security Detection for Home Safety

The integration can be connected to the room monitor to detect emergencies such as fire, smoke, and break-ins. Upon detection, an alarm will be sent to the guard station simultaneously.

\*Up to 8 slots can be used to link 3rd party devices (SOS buttons and sensors) to the IP video intercom system.

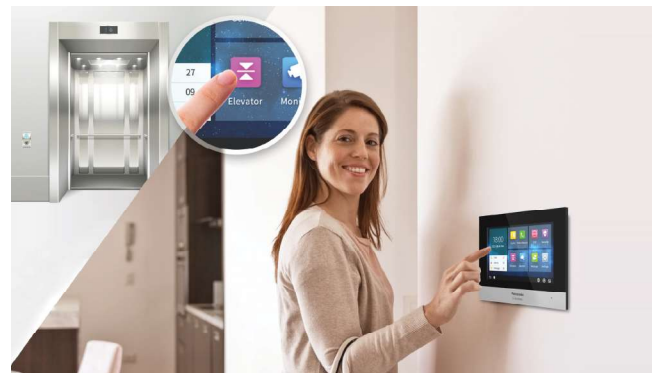


## Elevator Ride Made Convenient and Easy



## Contactless Guide to Your Guests and Deliveries

Using the room monitor or smartphones, residents can control the elevator to receive guests or deliveries. By specifying the exact floor, elevator will stop accordingly so guests will easily find the unit and be prevented from roaming to other floors.



## On-time Departure At Your Convenience

Residents can control the elevator even before leaving their unit to eliminate waiting time.

# Video Intercom Solution

## Room Monitor VL-MC3000BX



### Features:

- Video intercom: Video communication & remote unlock
- Room to room intercom: Call resident in the same community
- Alarm zone: Build-in alarm zone functions, have 3 modes (Home, Outside, Disarmed)
- Call center: Call and send SOS message to guard station
- Leave message: View audio message leave by visitor
- Surveillance: Surveil authorized outdoor station and IPC
- Elevator integration\*: Call elevator and control elevator (3rd Party Option)
- Time synchronized: Device time can synchronize from center (guard station) automatically
- Blacklist: Can add some numbers to blacklist and manage
- Screen Clean function: Can use this function when cleaning the screen, the screen will be locked 60S
- Vandal-resistant: Send alarm information to local management software if someone move the device

### Connectable devices:

- Security camera
- Access controller
- Second doorbell
- Elevator controller
- Alarm sensors

## Door Station VL-VC3500BX



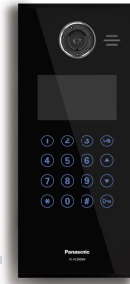
### Features:

- Video intercom: Video communication & remote unlock.
- Leave message: Visitor can leave a voice message with a photo to room monitor
- Web configuration: Engineer can set parameters on webpage
- Vandal-resistant: If someone move the device, device will send alarm information to local management software

### Connectable devices:

- Electric lock
- Door state detector
- Lock release button

## Lobby Station VL-VC3900BX



### Features:

- Video intercom: Video communication, remote unlock, apartment entrance mode and community entrance mode
- Leave message: Visitor can leave a voice message with a photo
- Elevator integration: Call elevator and control elevator (3rd party Option)
- Customized Screen: Able to customize screen image
- Time synchronized: device time will synchronize from center (guard station) automatically
- Web configuration: Engineer can set parameters on webpage
- 12V output: 12V output can give power supply to external device
- Vandal-resistant: Send alarm information to local management software if someone move the device

### Connectable devices:

- Electric lock
- Elevator controller
- Door state detector
- Lock release button
- Fire detector

## Guard Station VL-GC3700BX



### Features:

- Video intercom: Video communication & remote unlock
- Alarm record: Receive alarm information from room monitor and record it, security personnel can send a video call to corresponding room monitor
- SOS record: Receive SOS information from room monitor and record it, security personnel can send a video call to corresponding indoor unit
- Intercom record: Intercom record with time and photo
- Surveillance: Surveil authorized outdoor station and IPCs
- Special IPC: Can switch video of a special IPC to room monitor
- Transfer function: If there are two or more guard station, security personnel can transfer all income call to other guard station when necessary.

### Connectable devices:

- Security camera

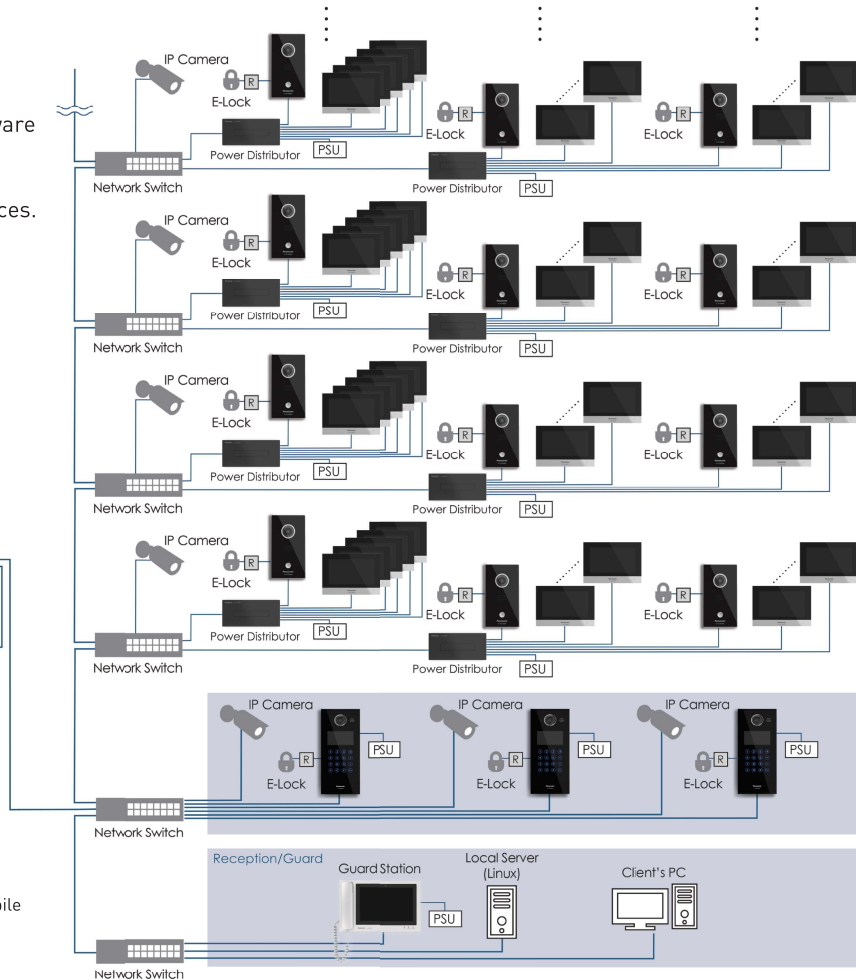
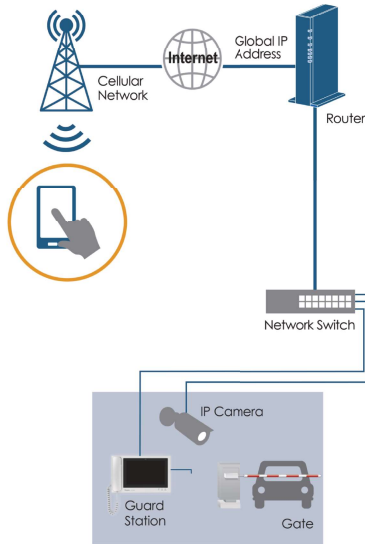
\*1 A third-party elevator controller is required for elevator integration. Elevator controllers are not available in some areas. For more information about elevator integration, please consult your dealer.

# System Diagram of the IP Apartment System

## Support up to 9,999 video intercom devices

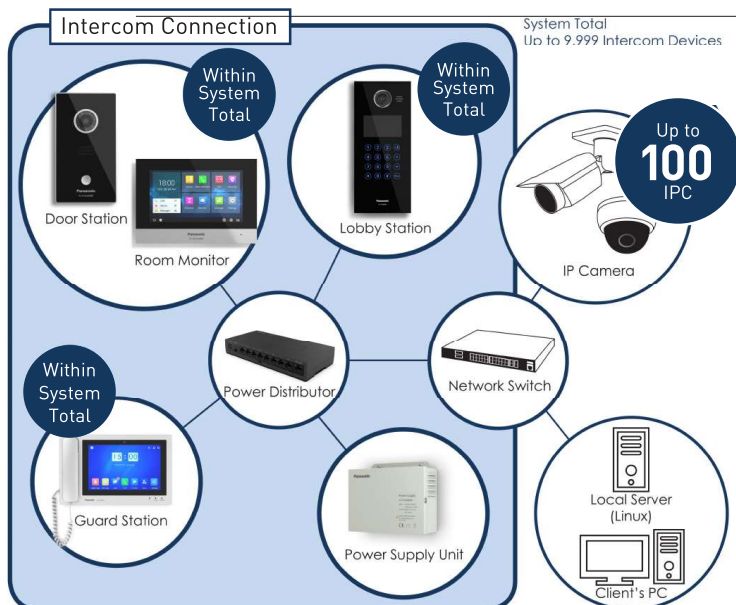
Function:

- Mobile Remote\*<sup>1</sup>
- Multiple sessions are supported
- Easy setup by local management software
- Can send me~es (image file) from the local management software on a PC to residents' room monitors/ mobile devices.



\*1 An internet connection is required to use the Mobile Remote function on mobile devices.

## Maximum number of connectable devices per IP Video Intercom System



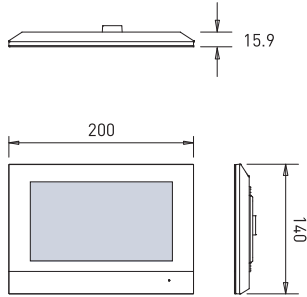
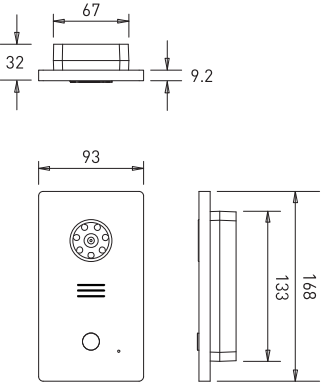
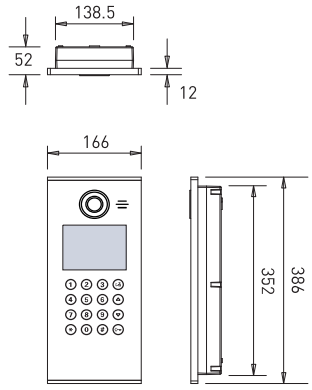
System Total Up to 9,999 Intercom Devices (without security devices)

## Maximum number of connectable monitors per Residential Unit



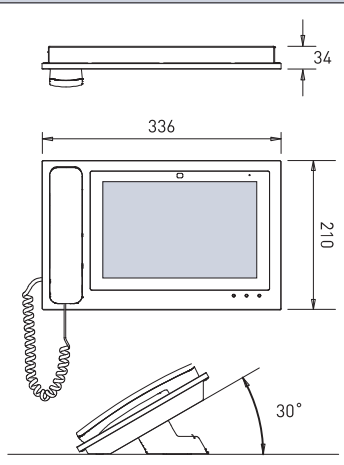
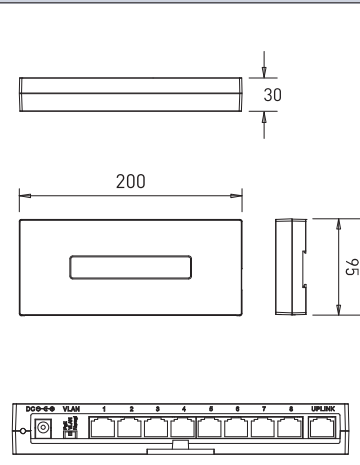
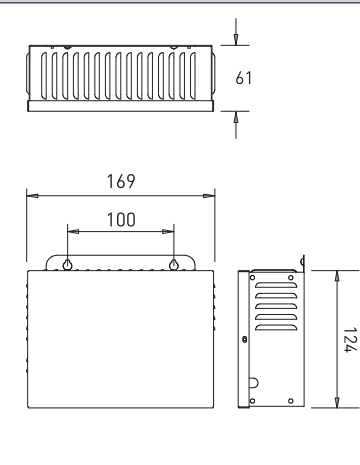
\*Compatible mobile devices: iPhone 5s and later, iPad Air and later (iOS 11 and later) / Android™ devices (Android 4.4 and later), as of June 2019. Up to 6 mobile devices can be registered per residence (room number). In order to use the Mobile App on your mobile devices, you must register them in the local management software tool. For information about downloading and installing the mobile app, please visit <https://panasonic.net/cns/pcc/support/intercom/>

# Specifications

	Room Monitor <b>VL-MC3000BX</b>	Door Station <b>VL-MC3500BX</b>	Lobby Station <b>VL-MC3900BX</b>
Dimension (Unit: mm)	 <p>200mm(w) x 140mm(h) x 15.9mm(d)</p>	 <p>93mm(w) x 168mm(h) x 32mm(d)*1</p>	 <p>166mm(w) x 386mm(h) x 52mm(d)*1</p>
Power Source	Power distributor (VL-PC3800BX:sold separately) or Power supply unit (VL-PC3400BX/C/D: sold separately) 27V DC, 0.20A	Power distributor (VL-PC3800BX:sold separately) or Power supply unit (VL-PC3400BX/C/D:sold separately) 27V DC, 0.22A	Power distributor (VL-PC3800BX:sold separately) or Power supply unit (VL-PC3400BX/C/D: sold separately) 27V DC, 0.13A
Power Consumption	Standby: 1.7 W, Operating: 5.5 W	Standby: 3.0 W, Operating: 6.0 W	Standby: 2.5 W, Operating: 3.5 W
Mass (Weight)	Approx. 380 g	Approx. 350 g	Approx. 1600 g
Operating Environment	Ambient temperature: Approx. -25°C to +55°C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -40°C to +70°C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -40°C to +70°C Relative humidity (non-condensing): up to 90 %
Display	7-inch wide colour display with touch screen (1024x600 pixels)	-	5.5-inch wide colour display (480x272 pixels)
Display Language	English, Chinese, Vietnamese and Indonesian	-	English, Chinese, Vietnamese and Indonesian
Talking Method	Hands-free	Hands-free	Hands-free
Network Interface	RJ45, 10BASE-T/100BASE-TX (Auto MDI/MDI-X)	RJ45, 10BASE-T/100BASE-TX (Auto MDI/MDI-X)	RJ45, 10BASE-T/100BASE-TX (Auto MDI/MDI-X)
Network Protocol	IPv4, TCP, ICMP, UDP, RTSP, HTTP, DNS, RTP, RTMP, ARP, NTP	IPv4, TCP, ICMP, UDP, RTSP, HTTP, DNS, RTP, RTMP, ARP, NTP	IPv4, TCP, ICMP, UDP, RTSP, HTTP, DNS, RTP, RTMP, ARP, NTP
Wiring	UTP (cat.5e or higher)	UTP (cat.5e or higher)	UTP (cat.5e or higher)
Expanded Interface	Sensor input x 8 (including emergency / urgency button)	Support for electric lock releasing (entrance unlocking) x 1	Support for electric lock releasing (entrance unlocking) x 1
Viewing Angle	-	Horizontally: Approx. 78°,Vertically: Approx.58°	Horizontally: Approx. 78°,Vertically: Approx.58°
Image Sensor/ Camera (Pixel)	-	2.0 M pixels CMOS sensor	2.0 M pixels CMOS sensor
Min.Illuminance Required	-	0.01 lx (within approx. 50 cm from the camera lens)	0.01 lx (within approx. 50 cm from the camera lens)
Lighting Method	-	White coloured LED lights	White coloured LED lights
Video/ Audio Format	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711	Video: H.264, Audio: G.711
IP rating (Ingress Protection)	IP30*2	IP54*2	IP54*2
IK rating (Impact Protection)	-	IK04	IK07
Recording	Internal memory (image and audio can be saved)	-	-
Installation Method	Surface mount with magnet	Flush mount	Flush mount
External Material	PMMA + ABS	AL + Tempered glass	AL + Tempered glass
Colour	Black with silver bottom border	Black	Black
Operation System	Linux	Linux	Linux
CPU	ARM CORTEX-A7	ARM CORTEX-A7	ARM CORTEX-A7
RAM	64MB(512Mbit)	64MB(512Mbit)	64MB(512Mbit)
Flash	16MB(128Mbit)	16MB(128Mbit)	16MB(128Mbit)

\*1 Excluding sections embedded into the wall.

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

	Guard Station <b>VL-GC3700BX</b>	Power Distributor <b>VL-MC3800BX</b>	Power Supply Unit <b>VL-PC3400BX/C/D</b>
Dimension (Unit: mm)	 <p>336mm(w) x 210mm(h) x 34mm(d)</p>	 <p>200mm(w) x 95mm(h) x 30mm(d)</p>	 <p>196mm(w) x 124mm(h) x 61mm(d)</p>
Power Source	Power distributor (VL-PC3800BX:sold separately) or Power supply unit (VL-PC3400BX/C/D: sold separately) 27V DC, 0.3A	Power distributor (VL-PC3800BX:sold separately) or Power supply unit (VL-PC3400BX/C/D:sold separately) 27V DC, 2A	Input: 220-240 V AC, 0.65A (50/60 Hz);
Power Consumption	Standby: 3.0 W, Operating: 8.0 W	Standby: 0.5 W	-
Mass (Weight)	Approx. 2000 g	Approx. 250 g	Approx. 800 g
Operating Environment	Ambient temperature: Approx. -10°C to +55°C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -25°C to +70°C Relative humidity (non-condensing): up to 90 %	Ambient temperature: Approx. -40°C to +50°C Relative humidity (non-condensing): up to 90 %
Display	10.1-inch wide colour display with touch screen (1280x800 pixels)	-	-
Display Language	English, Chinese, Vietnamese and Indonesian	-	-
Talking Method	Hand/ Hands-free	-	-
Network Interface	RJ45, 10BASE-T/100BASE-TX (Auto MDI/MDI-X)	RJ45, 10BASE-T/100BASE-TX (Auto MDI/MDI-X)	-
Network Protocol	IPv4, TCP, ICMP, UDP, RTSP, HTTP, DNS, RTP, RTMP, ARP, NTP	-	-
Wiring	UTP (cat.5e or higher)	UTP (cat.5e or higher)	UTP (cat.5e or higher)
Expanded Interface	-	-	-
Viewing Angle	Horizontally: Approx. 73°, Vertically: Approx. 45°	-	-
Image Sensor/ Camera (Pixel)	1.3M pixels CMOS sensor	-	-
Min. Illuminance Required	0.01 lx (within approx. 50 cm from the camera lens)	-	-
Lighting Method	White coloured LED lights	-	-
Video/ Audio Format	Video: H.264, Audio: G.711	-	-
IP rating (Ingress Protection)	IP30*2	IP30*2	IP30*2
IK rating (Impact Protection)	-	-	-
Recording	Internal memory (image and audio can be saved)	-	-
Installation Method	Desktop/ Flush mount	DIN-Rail Mounting	Flush mount
External Material	AL + Tempered glass	ABS	Metal
Colour	Aluminium colour	-	-
Operation System	Linux	-	-
CPU	ARM CORTEX-A7 Dual Core	-	-
RAM	1GB(8Gbit)	-	-
Flash	256MB(2Gbit)	-	-

\*1 Excluding sections embedded into the wall.

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