AIPHONE

AIPHONE JP-4MED

CALLING

DOOR1

Jan/1/2014 12:34

STATUS

SD

TALK

1

2

MENU

END

7-inch Touchscreen Intercom

JPSeries

Deming Prize

ISO 9001

ISO 14001

AIPHONE®

Providing Peace of Mind

http://www.aiphone.net/

Deming Medal

ISO 9001 Certified
JQA-0291
AIPHONE CO., LTD.

ISO 14001 Certified
JQA-EM0453
Headquarters section
Toyota Factory
Taiho Site
AIPHONE CO., LTD.

Large 7" Screen with Superior Image Quality

Providing a slim, low-profile design, the JP Series offers elegant styling and easy to use functionality.

User-friendly touchscreen navigation

Wide-angle door camera allows greater viewing of a visitor

WIDE ANGLE

Expandable-station capacity up to 4 doors and 8 inside stations

Integrate-analog CCTV cameras or other security type devices for full functionality

CCTV

AIPHONE JP-4MED

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SD

TALK

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MENU

END

Actual size

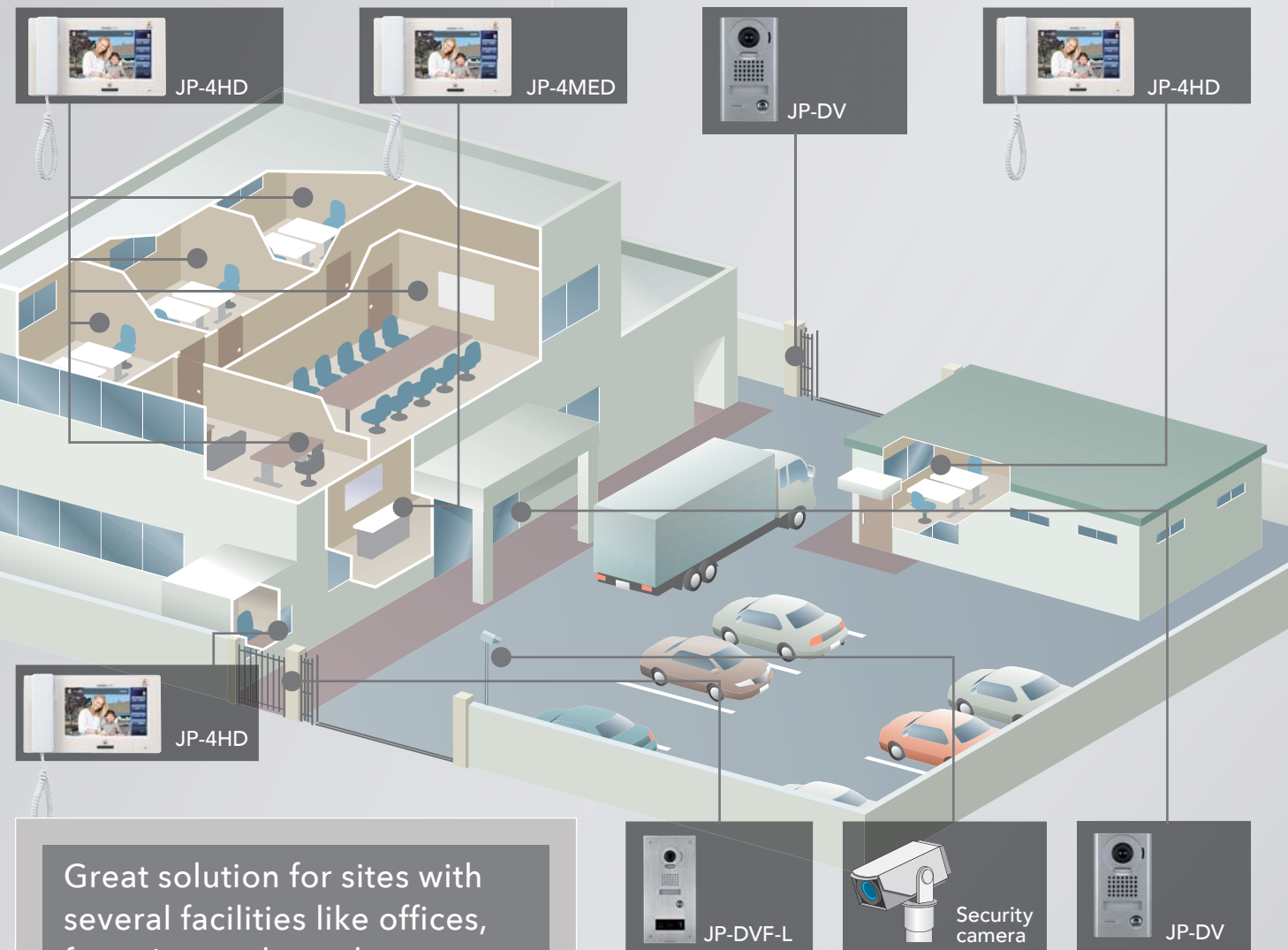7-inch Touchscreen Intercom

JP Series

Perfect system for small offices and other commercial sites, as well small to large home and resi dential locations

The JP Series of intercoms provide high quality functions for a diverse range of commercial applications, residential styles, and various applications.

Example: Commercial Campus

JP-4HD

JP-4MED

JP-DV

JP-4HD

JP-4HD

JP-DVF-L

Security camera

JP-DV

Great solution for sites with several facilities like offices, factories, and warehouses

The JP Series is the optimal intercom system for communication between areas at different locations on the same grounds. The also provides internal communication between different office buildings, main-gate security, CCTV surveillance rooms, and other locations.
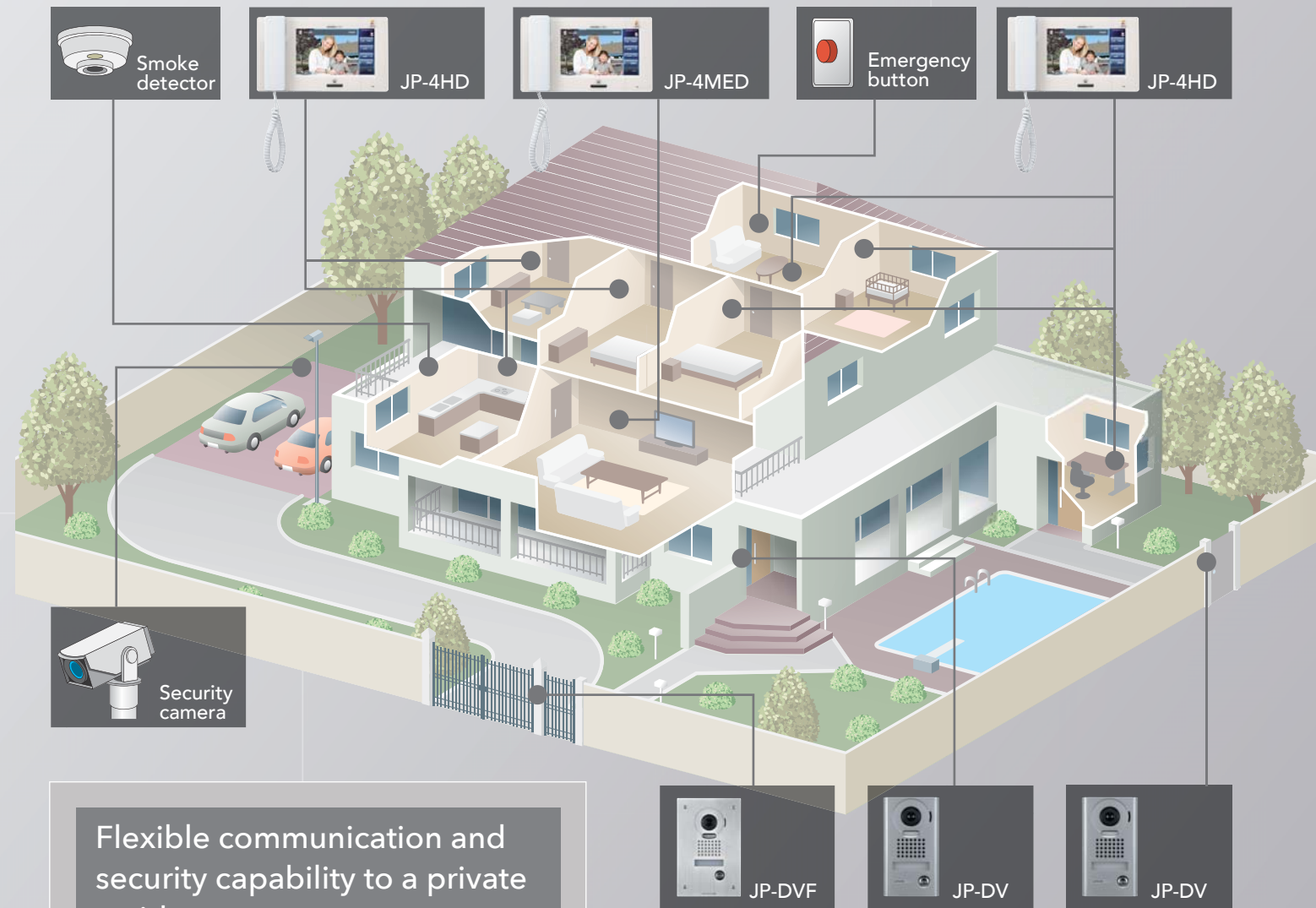
Other Recommended Installation Sites

Schools

Retail shops

Example: Residential Dwelling

Smoke detector

JP-4HD

JP-4MED

Emergency button

JP-4HD

Security camera

JP-DVF

JP-DV

JP-DV

Flexible communication and security capability to a private residence

The JP Series also provides internal communication and monitoring between all other stations with a push of a button. Greater security integrating separate security camera, smoke detector or other prevention devices.

Other Recommended Installation Sites

Small offices

Large 7-inch screen displaying Sharp Video

■ Focus on a particular area for more detail

Zoom
Using the touchscreen, zoom in on visitor faces and other specific areas.

[Wide view]

[Zoom view]

PanTilt
Using the PanTilt function, view details such as ID badges or labels.
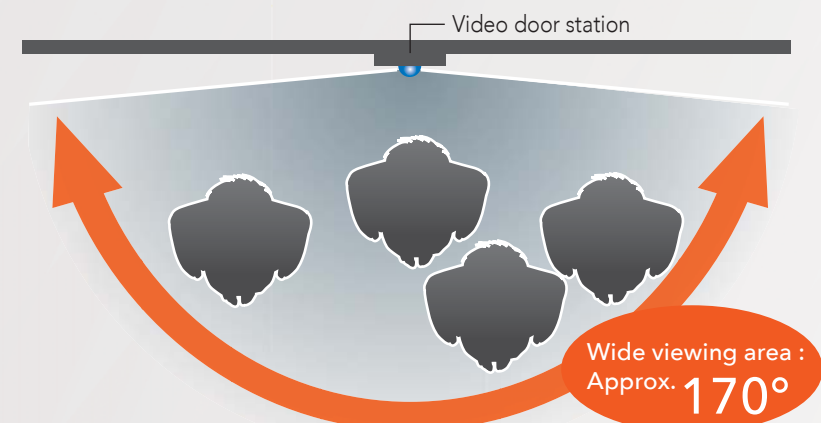
[Zoom view]

[PanTilt view]

Sharp video provides a clear view of detailed areas.
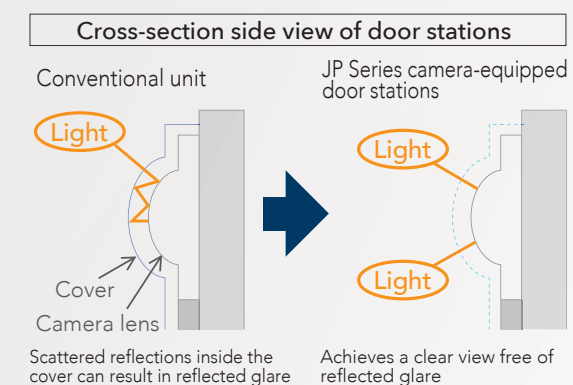
■ LCD captures a wide view of the entrance area

The JP Series 170° horizontal angle and 100° vertical angle camera minimizes blind spots, ensuring a clear view of the door station area.

Tall viewing height : Approx. **100°**

Video door station

Wide viewing area : Approx. **170°**

■ Coverless lenses on door stations reduces glare

High-durability lenses permit use even without a cover. This prevents glare from reflections of scattered light on the lens cover, and also reduces lens clouding from condensation.

Cross-section side view of door stations

Conventional unit

JP Series camera-equipped door stations

Light

Light

Cover
Camera lens

Light

Light

Scattered reflections inside the cover can result in reflected glare

Achieves a clear view free of reflected glare

■ Door stations boasting an IK08 vandal-resistance rating

The JP Series' vandal resistant door stations have an impact-resistance rating of IK08.

*Vandal resistant video door stations: JP-DV, JP-DVF, JP-DVF-L

"Full functionality for a multitude of basic communication needs

■ User-Friendly Touchscreen Navigation

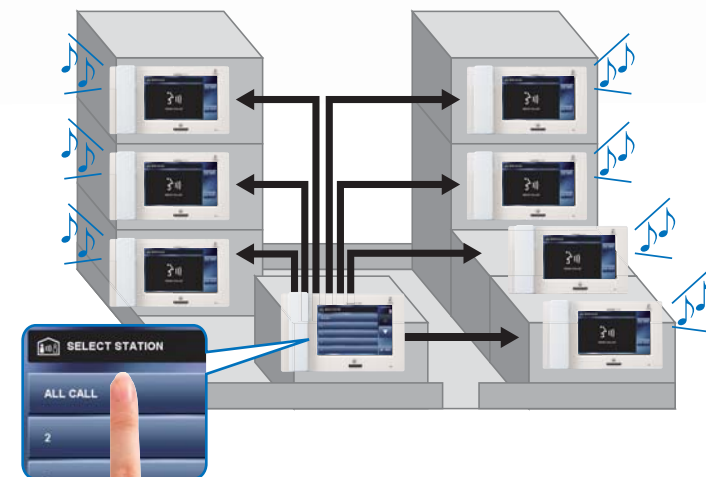Use the JP Series touchscreen to easily control all functions of the system.

Large buttons and intuitive icons allow for quick navigation and control.
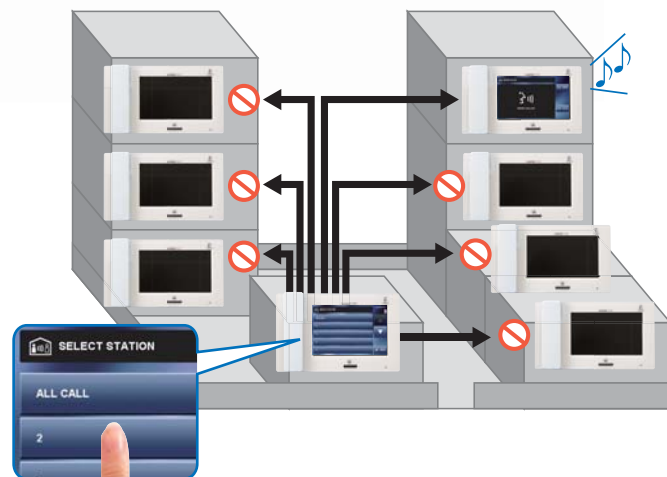
■ Internal communication

[All call]
Simultaneously make an announcement to all master stations.

[Individual call]
Select a single master station to call.

■ Flexible communication – all-in-one device

Hands-free (One Touch)

Simply touch the screen and easily communicate with visitors using the built-in microphone and speaker.
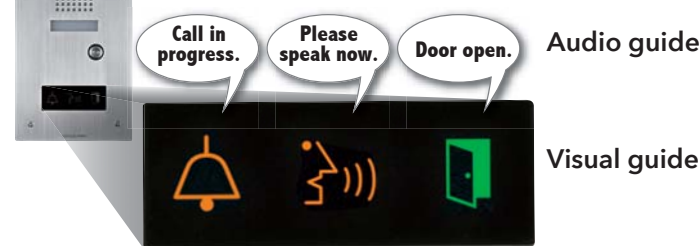
Handset

Need privacy? Just pick up the handset at any time during conversation. It is perfect for high-noise areas!

■ Features for the Visually and Hearing Impaired

Visual and Audio guides using select door stations

Simple audio and visual indicators help impaired visitors use the system. Cues guide visitors through call placement, communication, and access.

Call in progress.   Please speak now.   Door open.   Audio guide

Visual guide

T-Coil connection for Hearing Aids

The JP Series master station is equipped with T-coil support for T-coil compatible hearing aids.

■ Audio monitoring of other master stations

Master stations can be set to monitor audio from other master stations. Quickly check in on family members.
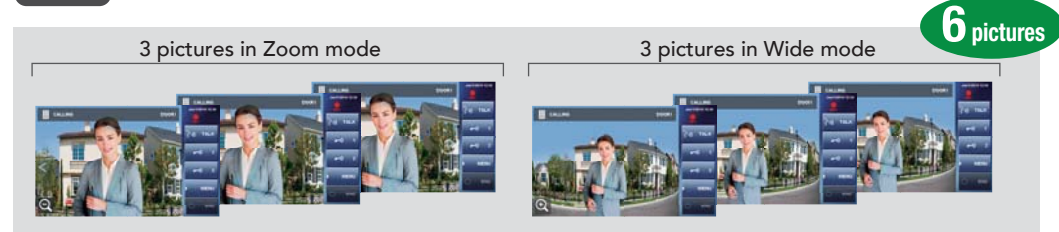
■ Available in 9 languages

Choose from English, German, French, Italian, Spanish, Dutch, Norwegian, Traditional Chinese, or Simplified Chinese.
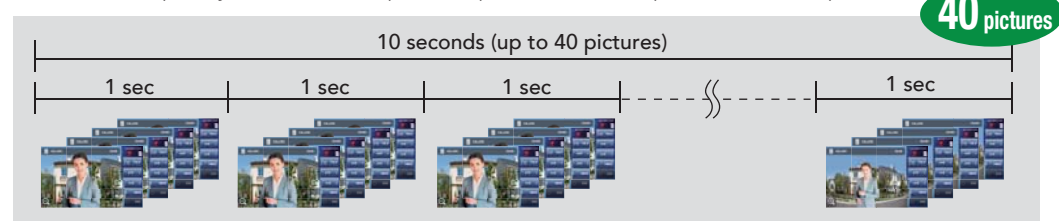
Safety and Security Features

■ Automatically record visitors who come to your door

[Built-in memory]
After a call is placed, the JP Series records 6 pictures per call to internal memory.

3 pictures in Zoom mode   3 pictures in Wide mode

6 pictures

Record outside disturbances by pushing the manual record button.

[SD card]
If an SD / SDHC card (not included) is set as the primary storage location, recording frequency increases to 4 pictures per second for up to 10 seconds per call.
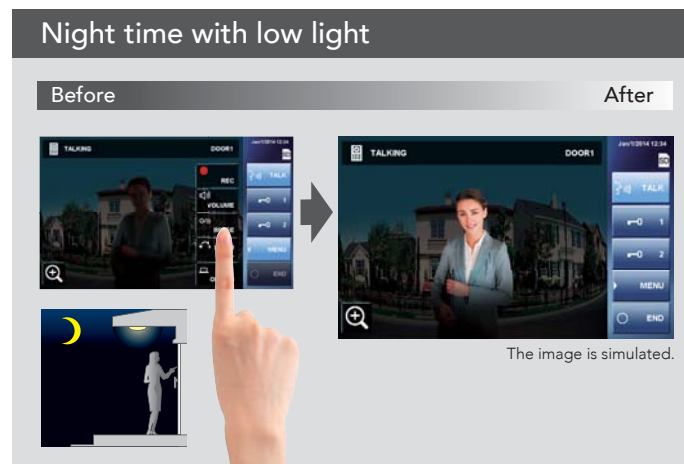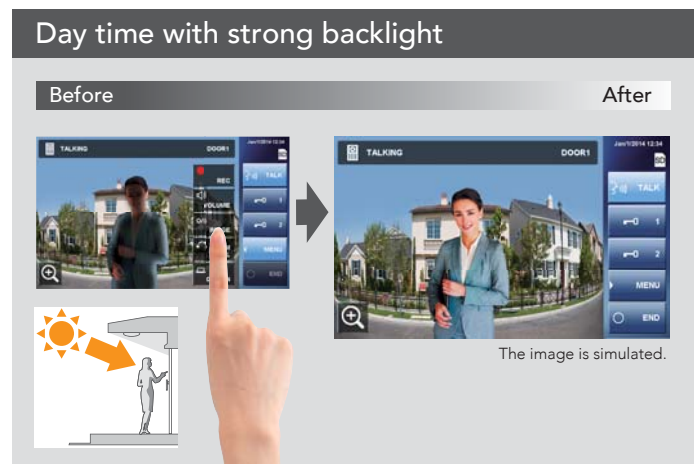
40 pictures

10 seconds (up to 40 pictures)

| 1 sec | 1 sec | 1 sec | | 1 sec |

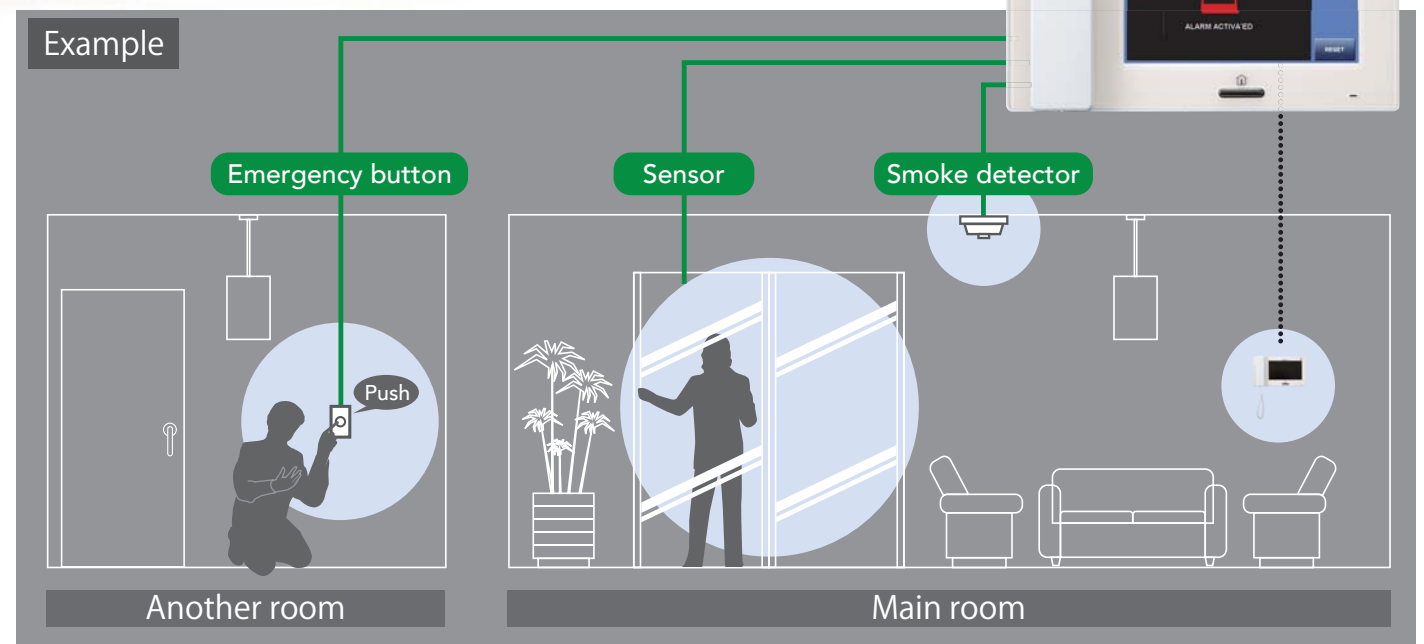Somebody you don't know? Record them in case something happens.

■ See images clearly day and night

The JP Series is equipped with an advanced light adjustment feature to compensate for varying light levels. If a picture is too dark, use the ADJUST feature to increase brightness at the door station.
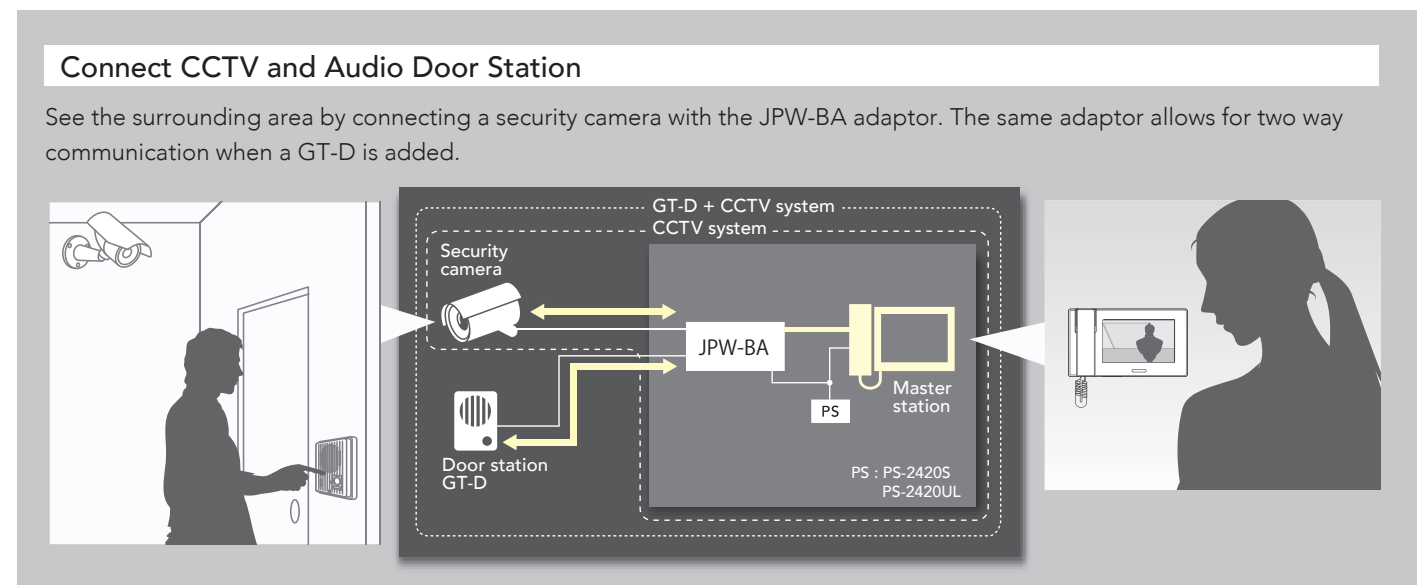
Day time with strong backlight

Before   After

The image is simulated.

Night time with low light

Before   After

The image is simulated.

■ Integrate with emergency buttons and sensors for heightened security in every situation

The JP Series can be combined with up to three optional input circuits, including emergency buttons, smoke detectors, and gas-leak alarms. The intercom system (master station) provides an audio and visual warning if a button is pressed or a sensor activated.

Example

Emergency button   Sensor   Smoke detector

Push

Another room   Main room

■ Add surveillance cameras for additional video viewing

Installing cameras makes it possible to view entranceways, garages, gates, and other outside areas on the intercom monitor. Redundant security through use of door station and CCTV can further boost performance as a protection system.

Connect CCTV and Audio Door Station

See the surrounding area by connecting a security camera with the JPW-BA adaptor. The same adaptor allows for two way communication when a GT-D is added.

GT-D + CCTV system
CCTV system

Security camera

JPW-BA

PS

Master station

Door station GT-D

PS : PS-2420S
PS-2420UL

Flexible wiring to accommodate a broad range of applications

The units wire using CAT-5e/6 cable, allowing for easy installation into new or retrofit projects.

Save money!! Install the JP Series using today's most readily available and dependable wiring method.
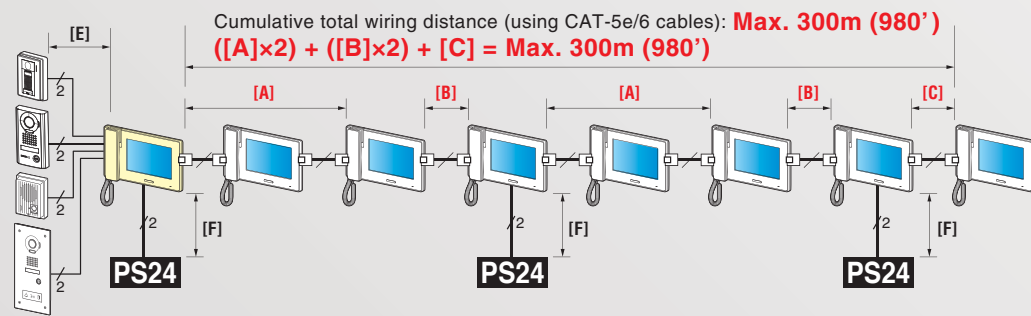
□ ： Master station

□ ： Sub master station

PS24 ： PS-2420S, PS-2420UL

□ ： CAT-5e/6 (non-shielded)

‖2 ： PE cable (2-conductor)

Wiring distance between each device

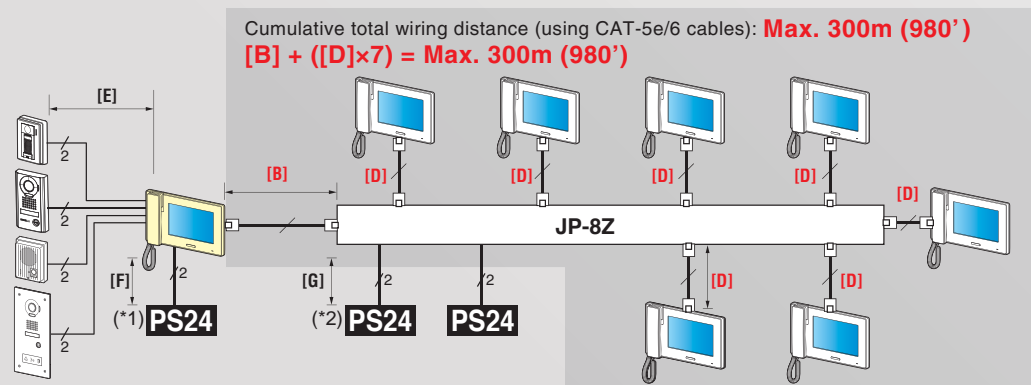|	CAT-5e/6 (24AWG)	Wire diameter (PE cable)				Notes
		Ø0.65 mm (22 AWG)	Ø0.8 mm (20 AWG)	Ø1.0 mm (18 AWG)	Ø1.2 mm (16 AWG)	
[A]	30m (98')		-			When 3 room stations are powered by a single power supply
[B]	200m (650')		-			
[C]	50m (165')		-			When 2 room stations are powered by a single power supply
[D]	50m (165')		-			
[E]	-	50m (165')	100m (330')	100m (330')	100m (330')	
[F]	-	5m (16')	5m (16')	10m (33')	10m (33')	
[G]	-	5m (16')	10m (33')	10m (33')	10m (33')	
[H]	-	100m (330')	150m (490')	200m (650')	200m (650')	
[I]	-	50m (165')	75m (245')	100m (330')	100m (330')	

Station-to-Station (Loop) Wiring

Directly connect a master station to a sub master station. This wiring style is perfect for projects where maximum distance is a concern.

Cumulative total wiring distance (using CAT-5e/6 cables): Max. 300m (980')
([A]×2) + ([B]×2) + [C] = Max. 300m (980')

[E] [A] [B] [A] [B] [C]
[F] [F] [F]
PS24 PS24 PS24

• [A], [C]: A single power supply can power up to 1 master and 2 sub master stations, or 3 sub master stations. The wiring distance varies depending on the number of powered room stations.
• See "Wiring distance between each device" above for the maximum distance between each device.

Centralized (Home-run) Wiring

Connect master stations to a central wiring adaptor to simplify wiring over a widespread project.
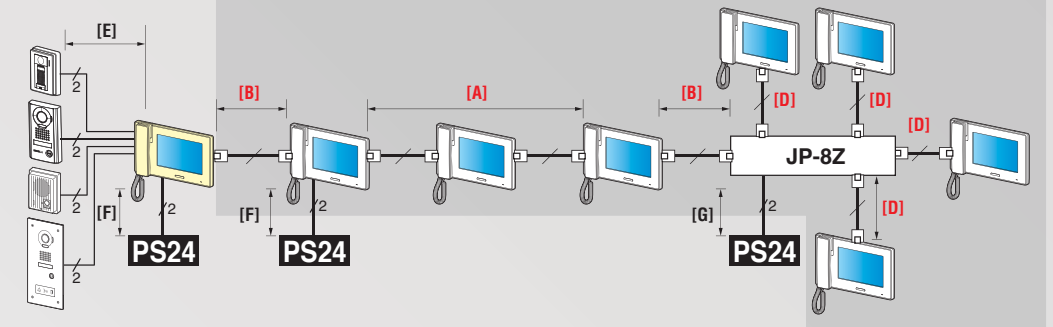
Cumulative total wiring distance (using CAT-5e/6 cables): Max. 300m (980')
[B] + ([D]×7) = Max. 300m (980')

[E] [B] [D] [D] [D] [D] [D]
JP-8Z
[F] [G] [D] [D]
(*1) PS24 (*2) PS24 PS24

(*1): The master station requires a power supply.
(*2): Up to 4 sub master stations can be powered with one power supply. Use two power supplies for 5 - 7 sub master stations.
• See "Wiring distance between each device" above for the maximum distance between each device.

Combined Wiring

Cumulative total wiring distance (using CAT-5e/6 cables): Max. 300m (980')
[A] + ([B]×2) + ([D]×4) = Max. 300m (980')

Connect a system using both station-to-station and centralized wiring to meet the requirements of the project.

[E] [B] [A] [B] [D] [D] [D]
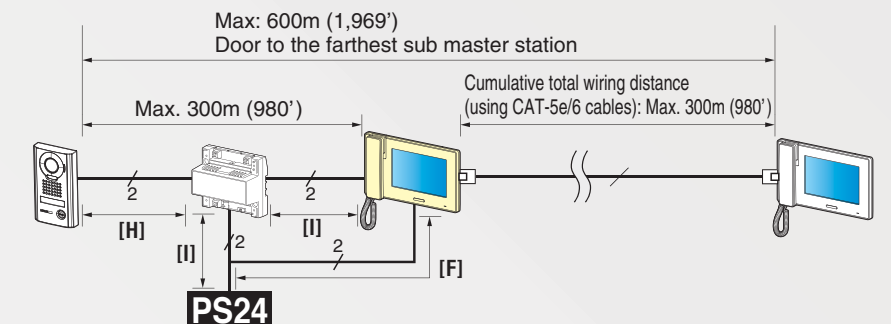JP-8Z
[F] [F] [G] [D]
PS24 PS24 PS24

• See "Wiring distance between each device" on the left for the maximum distance between each device.

Long distance wiring and CCTV integration

With various wiring methods, family and property can remain secure even over long distances. Integrating CCTV cameras provides the consumer additional surveillance around the home or office.

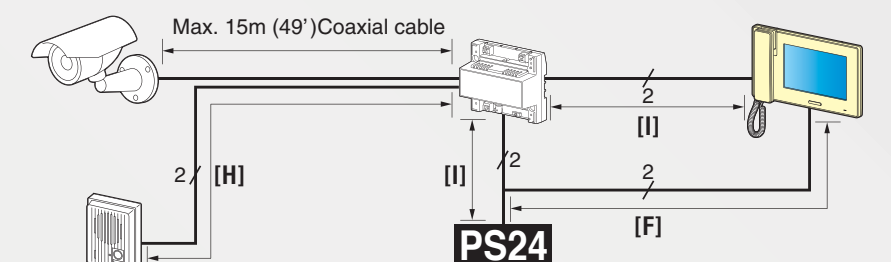Drastically extend the maximum distance between door and master stations.

Double the wiring distance between the door and master stations by using the JPW-BA adaptor. When used, the maximum distance can reach an amazing 600m!

Extending the distance between door and master stations

Max: 600m (1,969')
Door to the farthest sub master station

Max. 300m (980')

Cumulative total wiring distance (using CAT-5e/6 cables): Max. 300m (980')

[H] [I] [I] [F]
PS24

• See "Wiring distance between each device" on the left for the maximum distance between each device.

Connect CCTV and Audio Door Station

See the surrounding area by connecting a security camera using the JPW-BA adaptor. The same adaptor allows for two way communication when a GT-D is added.

Connecting CCTV and audio door station(GT-D)

Max. 15m (49') Coaxial cable

[H] [I] [I] [F]
PS24

• See "Wiring distance between each device" on the left for the maximum distance between each device.

Master station

JP-4MED
Hands-free color video intercom master station

Sub master station

JP-4HD
Hands-free color video intercom sub master station

Boxed set

JPS-4AED : JP-4MED & JP-DA
JPS-4AEDV : JP-4MED & JP-DV
JPS-4AEDF : JP-4MED & JP-DVF

Add appropriate power supply

Video door station

JP-DA
PanTilt & Zoom video door station, surface mount

JP-DV
PanTilt & Zoom vandal-resistant video door station, surface mount

JP-DVF
PanTilt & Zoom vandal-resistant video door station, flush mount

JP-DVF-L
PanTilt & Zoom vandal-resistant video door station, flush mount (Guidance-enabled type)

Door station

GT-D
Audio only door station

Adaptor

JPW-BA
Long distance adaptor

JP-8Z
Distribution adaptor

RY-3DL
Multiple door release adaptor

Power supply

PS-2420S, PS-2420UL
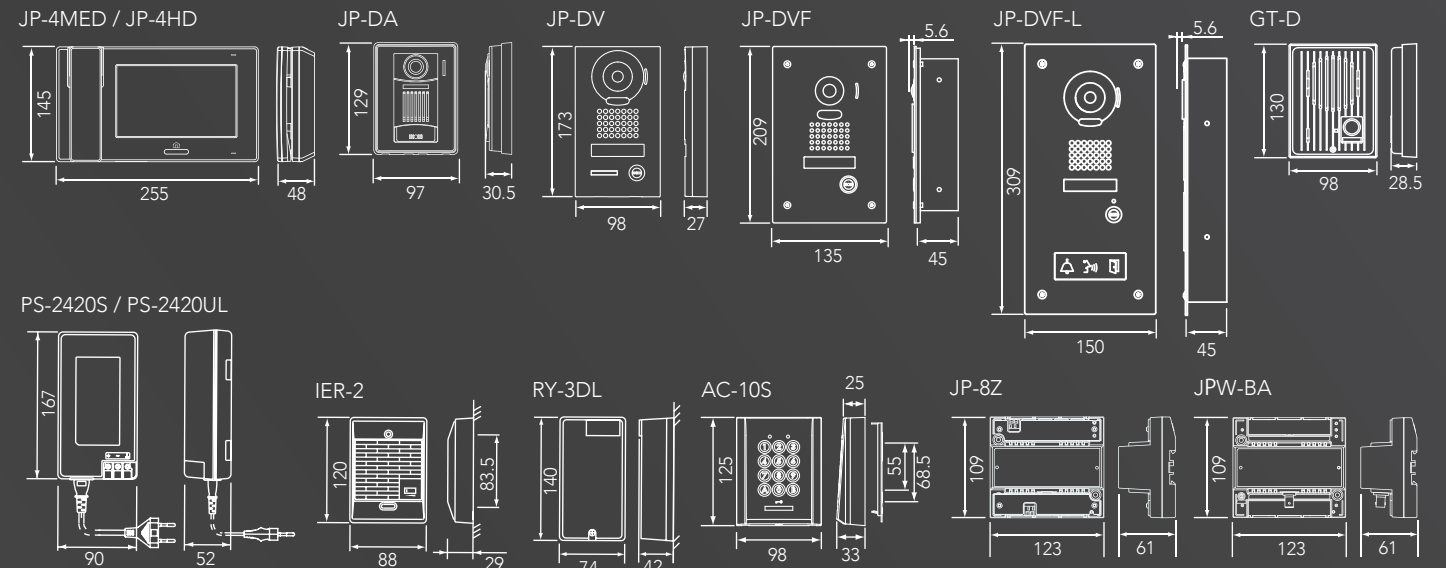24V DC Power supply

Other

IER-2
Call extension speaker
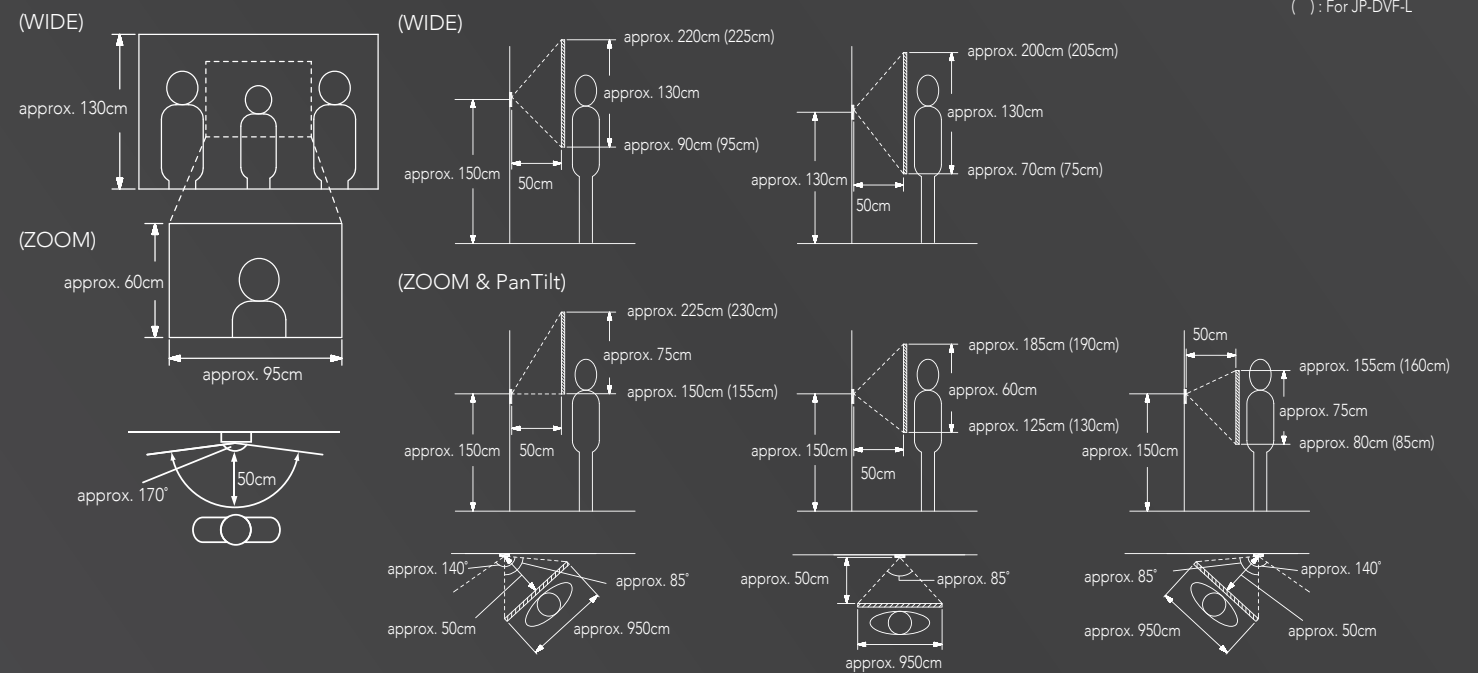
AC-10S
Access control keypad, surface mount

JP-DV + AC-10S

UNIT DIMENSIONS (mm)

JP-4MED / JP-4HD   JP-DA   JP-DV   JP-DVF   JP-DVF-L   GT-D

PS-2420S / PS-2420UL

IER-2   RY-3DL   AC-10S   JP-8Z   JPW-BA

CAMERA POSITION & IMAGE VIEW AREA

( ) : For JP-DVF-L

(WIDE)

(ZOOM)

(WIDE)

(ZOOM & PanTilt)

SPECIFICATIONS

Inside stations (JP-4MED /JP-4HD)

Power supply	DC 24V
Current consumption	JP-4MED:340mA / JP-4HD:200mA
Communication	Handset:Simultaneous communication
	Hands-free:Auto-voice actuation
Ambient temperature	0 - 40°C
Monitor	7 inch color LCD
Mounting	Wall-mount
Back box	3-gang box
Material	Flame resistant ABS resin
Color	White
Weight	JP-4MED:Approx. 790g / JP-4HD:Approx. 780g

Door stations (JP-DA/JP-DV/JP-DVF/JP-DVF-L)

Operating temperature	-10 - 60°C
Weight	JP-DA:Approx. 170g
	JP-DV:Approx. 650g
	JP-DVF:Approx. 570g
	Flush mount back box:Approx. 450g
	JP-DVF-L:Approx. 980g
	Flush mount back box:Approx. 670g

JPW-BA

Power supply	DC 24V
Current consumption	90mA
Operating temperature	0 - 40°C
Mounting	DIN rail
Weight	Approx. 200g

JP-8Z

Power supply	DC 24V
Operating temperature	0 - 40°C
Mounting	DIN rail
Weight	Approx. 210g