



## ■ SPECIFICATIONS

Power source	24V DC, Supplied from a power supply
Power consumption	340mA (max.)
Video monitor	7" TFT color LCD
Pixels	1,150,000 pixels
Type of communication	Open voice hands-free auto-voice actuation Handset: Simultaneous Communication
Ambient temperature	0~40°C
Video door station	4 unit
Sub master station	7 unit
Call extension	1 unit
External sensor input	3 input (N/O or N/C dry closure contact)
	Notification sound
Picture memory	Internal memory: 20 pictures (6 shots/picture) SD card: 1,000 pictures (40 shots/picture) (Differs depending on the SD card used.)
	Internal memory: 5 pictures SD card: 100 pictures
Door release contact	24V AC/DC, 0.5A (N/O dry closure contact)
Option button output	24V AC/DC, 1A (N/O dry closure contact)
Call tone	8 selections
Mounting	Surface wall mount
Electrical box	3-gang box
Housing	Unit case: Fire-retardant ABS plastic
	Acrylic panel
Weight	Approx. 790g
Unit color	Front case: Snow white(5Y9.3/0.1 Munsell Approximation)

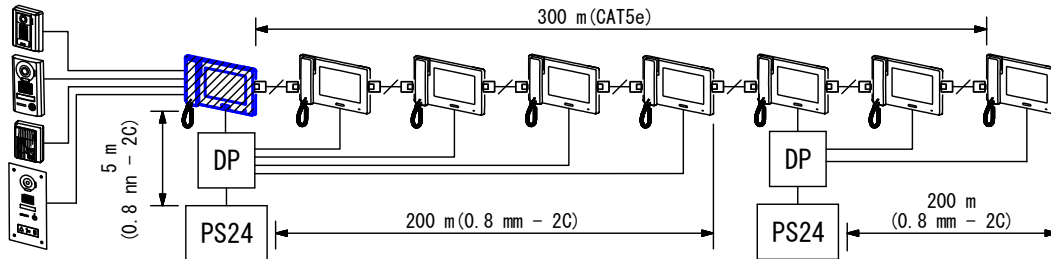
DESCRIPTION	FIG. NAME	UNIT	DATE
<b>MASTER STATION</b>	<b>SPECIFICATIONS</b>	mm	6 October, 2014
MODEL NO.	FIG. NO.	PAGE	REVISION
<b>JP-4MED</b>	59615-2-7	2/7	1
			<b>AIPHONE</b>

## ■ SELECTING POWER SUPPLY METHOD

### 1. Supplying power directly to each unit from a single power supply

CAUTION :

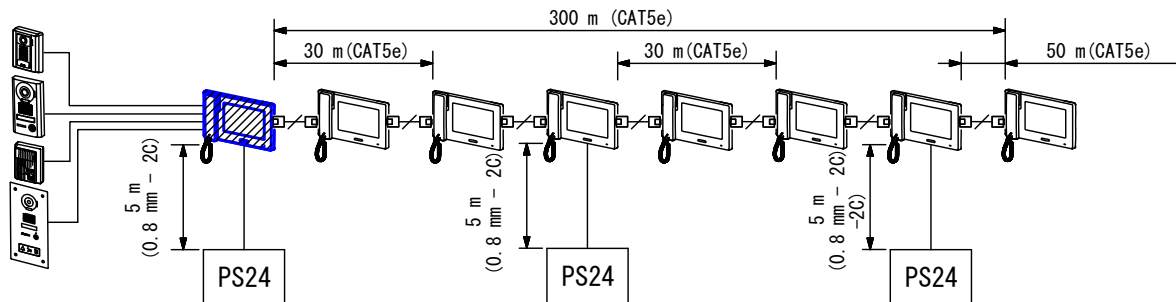
Be sure to distribute the output of the power supply close to the power supply.



The following chart indicates how many units can be powered by a single power supply.

Combination of units	Master station	Sub master station	Long distance adaptor
Master and sub master stations	1	4	-
Master and sub master stations with long distance adaptors	1	3	4
Sub master stations only	-	6	-

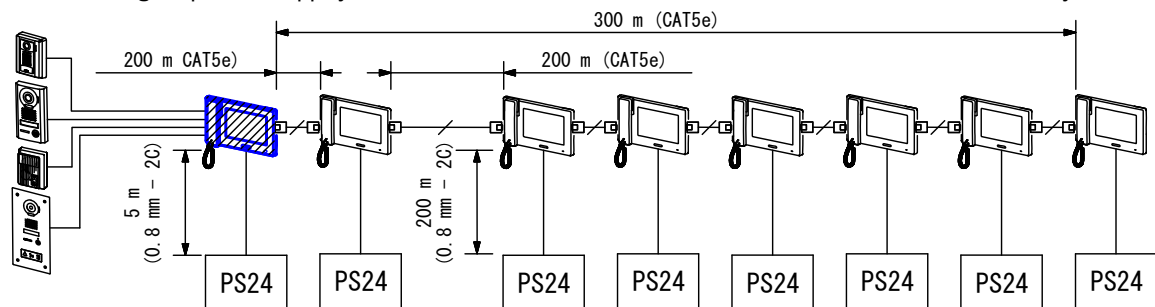
### 2. Supplying power to sub master stations via wiring with the master station



The following chart indicates how many units can be powered by a single power supply.

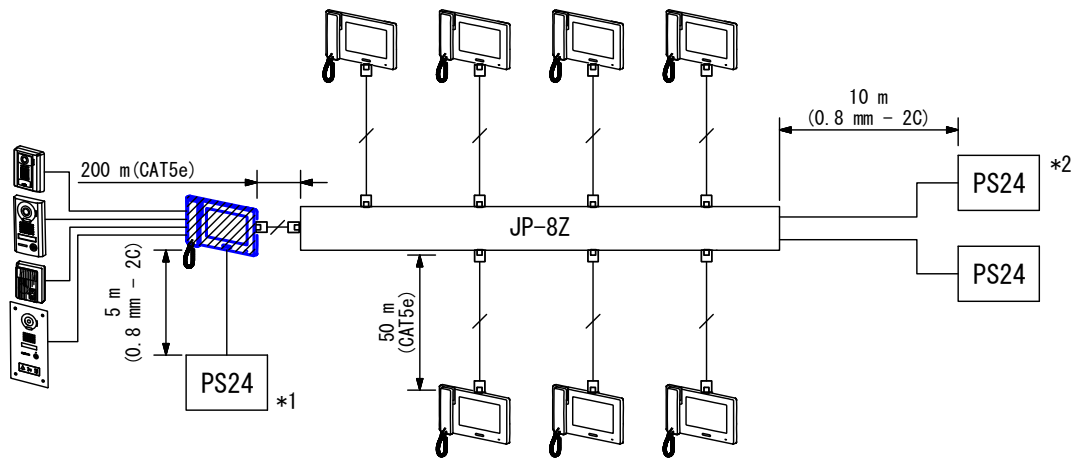
Combination of units	Master station	Sub master station	Long distance adaptor
Master and sub master stations	1	2	-
Master and sub master stations with long distance adaptors	1	2	4
Sub master stations only	-	3	-

### 3. Connecting a power supply to the master and each sub master station individually



DESCRIPTION <b>MASTER STATION</b>	FIG. NAME SELECTING POWER SUPPLY METHOD	UNIT mm	DATE 6 October, 2014
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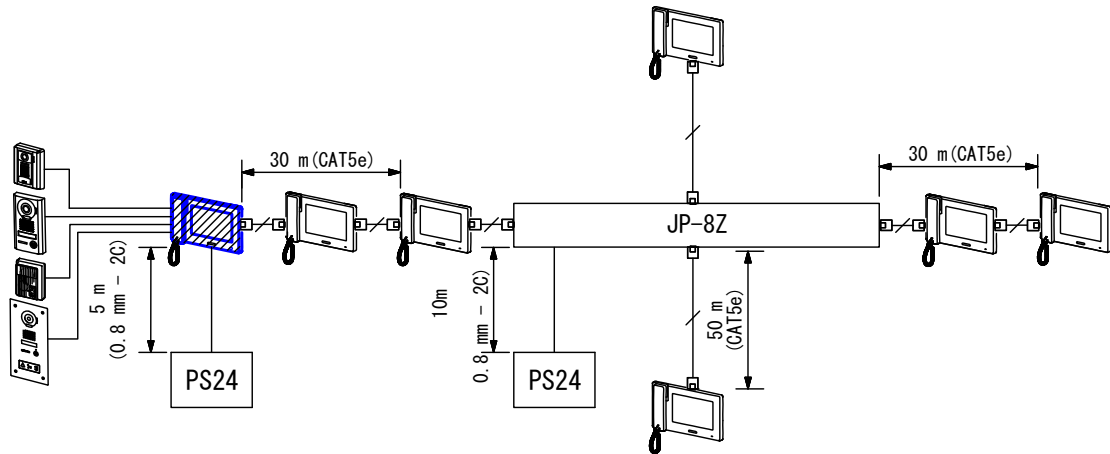
#### 4. Supplying power to sub master stations via a distribution adaptor



\*1: The master station needs a power supply.

\*2: Up to four sub master stations can be supplied with one power supply.  
Use two power supplies for 5 - 7 sub master stations.

#### 5. Mix-and-match methods



PS24 : 24V DC, PS-2420 power supply

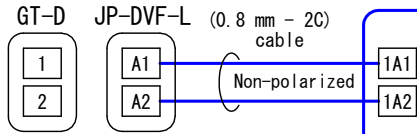
DP : Distribution point

PE: Polyethylene-insulated PVC-coated cable

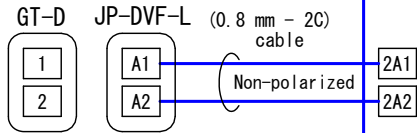
DESCRIPTION <b>MASTER STATION</b>	FIG. NAME <b>WIRING DIAGRAM</b>	UNIT mm	DATE 6 October, 2014
MODEL NO. <b>JP-4MED</b>	FIG. NO. 59615-4-7	PAGE 4/7	REVISION 1
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# WIRING DIAGRAM

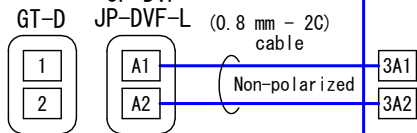
Door station 1  
JP-DA, JP-DV  
JP-DVF



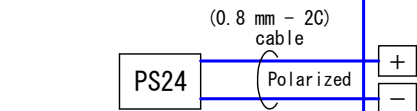
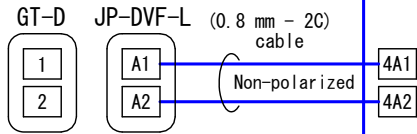
Door station 2  
JP-DA, JP-DV  
JP-DVF



Door station 3  
JP-DA, JP-DV  
JP-DVF



Door station 4  
JP-DA, JP-DV  
JP-DVF



PS24 : 24V DC, PS-2420, power supply

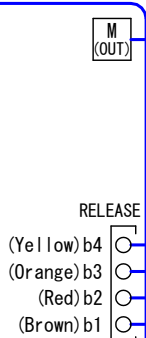
PT : AC transformer

PE: Polyethylene-insulated PVC-coated cable

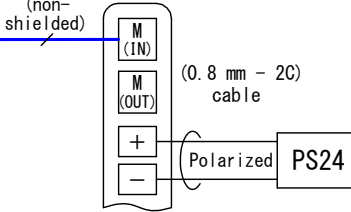
\*1.

Input method	N/O or N/C dry closure contact (start signal only detection method)
Detection confirmation time	100ms or more
Contact resistance	During N/O dry closure: Less than 700Ω During N/C dry closure: At least 15kΩ
Terminal short current	Less than 10mA
Voltage between terminals	Less than 5V DC (when open between terminals)

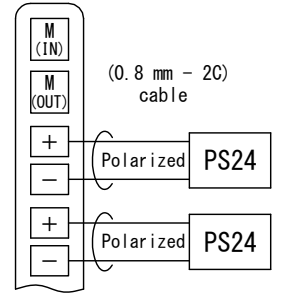
Master station  
JP-4MED



Sub Master station  
JP-4HD

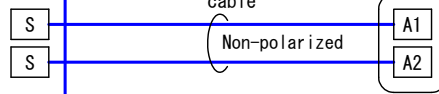


Distribution adaptor  
JP-8Z

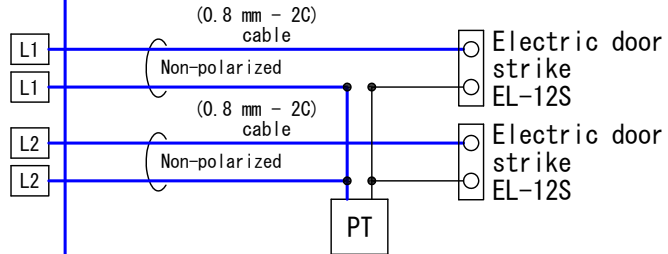


Connect RY-3DL, a multiple door release adapter here.

or

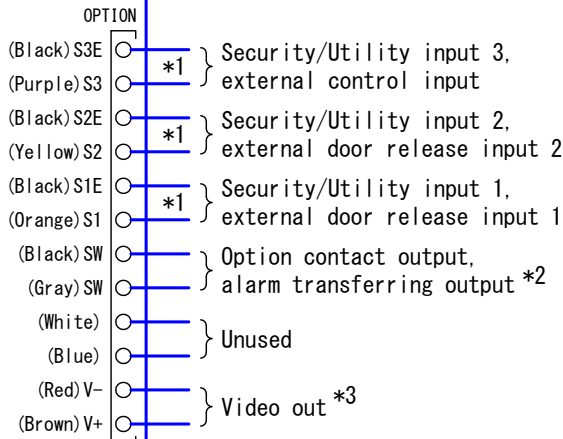


Optional call extension speaker IER-2



An EL-12S (AC 12V 0.125A, DC 12V 0.2A) or equivalent part and a separate AC transformer are required.

- Run separate cables for audio/video and door release.
- Door release contact: AC/DC 24V, 0.5A (Minimum Contact: 100mV DC, 0.1mA) (N/O dry closure contact L1, L2).



\*2. Connect an alarm sensor, light, etc. here.

Contact capacity:  
Maximum overload: N/O dry closure contact AC/DC24V, 1A  
Minimum overload: DC5V, 100mA

\*3. Outputs video signals to DVRs etc.

- NTSC/PAL, 1Vp-p/75Ω
- Wiring distance: 3m(10')

DESCRIPTION <b>MASTER STATION</b>	FIG. NAME <b>WIRING DIAGRAM</b>	UNIT mm	DATE 6 October, 2014
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			<b>AIPHONE</b>

## ■ RESTRICTIONS

- Due to hands-free auto-voice actuation system, smooth voice switching may be hindered by voice strength of the opponent or ambient noise, etc.
- One Call extension can be connected. However instant voice call of door station is not available from Call extension.
- The adjusting with call tone volume on the Master station does not vary the volume from Call extension.
- 7 Sub station, JP-4HD can be connected.

## ■ RESTRICTIONS ON WIRING

- For wiring, it is recommended to use a single vinyl jacketed cable with PE (polyethylene) insulation. The following cables can not be used:
  - Coaxial cable
  - Individual conductors
  - Twisted pair cable
  - Cable with conductors in odd number

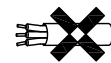
PARALLEL CABLE



COAXIAL CABLE



ODD NO. OF CONDUCTORS



- Keep the intercom wires more than 30 cm away from AC power lines. (It causes noise in communication and malfunction) When using the existing cable run, the system may not work properly by type. In that case, it becomes necessary to install a new cable.

## ■ FUNCTIONS

- Calling door station, call stand-by approx. 45 or 90 sec./Communication, approx. 1 minute/3 minutes for handset/Ending communication by pressing OFF button.
  - Communication status is steadily lit while speaking./during hands-free operation.
  - Backlight compensation by pressing ADJUST button while monitor is on. (Low light compensation at night. Distinguishing between day and night is automatically done by the door station)
  - ZOOM & WIDE camera control by pressing ZOOM & WIDE button while monitor is on.
  - PanTilt camera control on ZOOM mode.
  - Pre-setting of PanTilt position for ZOOM mode.
  - Instant voice call-in with image (approx. 45 sec.)
  - Room-to-room communication by pressing CALL button, communication approx. 10 min.
  - External sensor input: When external sensor activates, monitor stations are notified notification sounds (When the outdoor output is set, JP-4MED and door station sound at a volume equivalent to "10 (High).")
  - Security function
  - Activating door strike.
  - Option button: Controls external device such as entrance light
- <Picture memory>
- Records call from video door station automatically (First shot is recorded after 2 seconds.) (Total of 1 shot per sec. on the internal memory.) (Total of 4 shots per sec. on the SD card )/The REC mark is shown.
  - Press REC button to record manually/The REC mark is shown.
  - Max. 20 pictures can be recorded on the internal memory (automatic and manual recording), (Up to 1000 can be stored on the SD card (depending on the SD card capacity))
  - Protect max. 5 pictures on the internal memory, Up to 100 can be protected depending on the SD card.



DESCRIPTION <b>MASTER STATION</b>	FIG. NAME <b>RESTRICTIONS/FUNCTIONS</b>	UNIT mm	DATE 6 October, 2014
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## SETTING

### • Settings after the installation

Item	Sub item	Setting range
SECURITY SENSOR INPUTS	(Usage of the inputs 1 - 3)	DISABLE/UTILITY/SECURITY/REQUEST TO EXIT (Inputs 1 and 2 only)/EXT. TALK INPUT (Inputs 3 only)/
	(Detection method for the inputs 1 - 3)	N/O, N/C
OPTION OUTPUT	EVENT ACTIVATION	DISABLE/ENABLE
	DURATION	MOMENTARY, 1, 3, 5, 10, 15, 20, 25, 30, 60sec.
	TRIGGER EVENT	DOOR CALL/ROOM CALL/ALARM ON/VIDEO OUT
SET DOOR RELEASE	LOCK1/ LOCK2	OUTPUT METHOD
		REFERENCE DOOR (for DOOR1 - 4)
		DOOR RELEASE DURATION
INITIALIZE	-	YES/NO
SOFTWARE VERSION	-	-

### • User setting

Category	Item	Sub item	Setting range		
CALL	DOOR STATION SETTINGS *	DOOR1/DOOR2/DOOR3/DOOR4	ENABLE/DISABLE		
	ROOM STATION CALL SETTINGS *	ID2/ID3/ID4/ID5/ID6/ID7/ID8	ENABLE/DISABLE		
	CALL TONE	DOOR1/DOOR2/DOOR3/DOOR4/ INTERNAL ROOM CALL	1 - 8		
	DOOR CALL DURATION	-	45sec./90sec.		
TALK	PRIVACY MODE	-	ENABLE/DISABLE		
	AUTO NIGHT VOLUME	-	ENABLE/DISABLE		
	VIDEO DOOR LED	-	ENABLE/DISABLE		
MONITOR	ROOM MONITOR	-	ENABLE/DISABLE		
	VIDEO DOOR LED	-	ENABLE/DISABLE		
	DOOR MONITOR DURATION	-	30sec./60sec./120sec./CONTINUOUS		
	ROOM MONITOR DURATION	-	10min./CONTINUOUS		
GENERAL	SOUND SETTING	AUDIBLE TOUCH TONE	-	ENABLE/DISABLE	
		VOICE GUIDANCE (JP-DVF-L only)	DOOR 1 DOOR 2 DOOR 3 DOOR 4	ENABLE/DISABLE	
	DOOR RELEASE *	-	DOOR1/DOOR2/DOOR3/DOOR4	ENABLE/DISABLE	
	PIN SETTING	-	CURRENT PIN/NEW PIN	(Select four numbers from 0 - 9)	
	DATE/TIME	-	(MONTH/DAY/YEAR/HOUR/MINUTE)	-	
	ALARM SETTING	SECURITY SETTING	EXIT DELAY SETTING		0/30sec./60sec./120sec./300sec./600sec.
			RETURN DELAY SETTING		0/30sec./60sec./120sec./300sec./600sec.
			ALARM PIN		ENABLE (Select four numbers from 0 - 9)/DISABLE
		UTILITY SETTING	ALARM AT DOOR		ENABLE/DISABLE
		ALARM DURATION		10sec./1min./10min./1hr.	
	SD CARD	EXPORT RECORDED IMAGES	-		YES/NO
		FORMAT SD CARD	-		YES/NO
	ROOM STATION NAME	-	ID1 - ID8		-
LANGUAGE	-	-		ENGLISH/FRANCAIS/DEUTSCH/ NEDERLANDS/ESPAÑOL/ITALIANO/ NORSKE/繁體中文/中文(簡體)	
ADJUST		-		1 - 10	
	VOLUME			0 (mute), 1 - 10	
RECORD	SELECT RECORD SETTINGS	-		ZOOM > WIDE WIDE > ZOOM ZOOM WIDE	
	ERASE ALL RECORDED IMAGES	-		YES/NO	

\*. It is required to enter PIN before making this setting.

DESCRIPTION <b>MASTER STATION</b>	FIG. NAME <b>SETTING</b>	UNIT mm	DATE 6 October, 2014
MODEL NO. <b>JP-4MED</b>	FIG. NO. 59615-7-7	PAGE 7/7	REVISION 1 <b>AIPHONE</b>