7 inch Touch Screen Color Video Intercom

**Features**
- 7 inch touch screen for operation
- Hands-free or handset audio communication
- Zoom/wide and pan & tilt video monitoring function
- Video image adjustment function
- Record visitor images both automatically & manually

**Door station**
- JP-DV
  - Wide and Zoom & PanTilt
  - Vandal resistant video door station, surface mount
- JP-DVF
  - Wide and Zoom & PanTilt
  - Vandal resistant video door station, flush mount
- JP-DA
  - Wide and Zoom & PanTilt
  - Video door station, surface mount

**Master station**
- JP-4MED
  - Hands-free color video intercom master station
- GT-D
  - Audio door station

**Power supply**
- PS-2420S
- PS-2420UL
- PS-2420BF
- PS-2420DM
- PS-2420-O

The wide monitor clearly shows all 170 degrees of video captured by the camera.

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

Focus on a particular area for more detail

**Zoom**
- Using the touch screen, zoom into visitor faces and other specific areas.
- Full viewing angle: 100°

**PanTilt**
- Using the PanTilt function, view details such as ID badges or labels.

Communication network
- Internal communication
  - All call: Simultaneously make an announcement to all master stations.
  - Individual call: Select a single master station to call.

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**Communication network**
(Sub master station)
JP-4ME
- No.1
- No.2
- No.6
- No.7
• 3 wiring methods selectable
  (Station-to-station, Homerun, or combined wiring)
• 2 internal calls selectable (All call or Individual call)
• Audio monitoring of other master stations
• Option: 3 sensors connectable to the master station

Sub master station

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

Boxed sets

JPW-BA
Long distance adaptor
JP-8Z
Distribution adaptor
EL-12S
Electric door strike
RY-3DL
Multiple door release adaptor

JP-4MED, JP-4HD
JP-DA
JP-8Z
JP-DV
JP-DVF
JP-4MED, JP-4HD
JP-DA
JP-DV
JP-DVF
JP-4MED, JP-4HD
JP-DA
JP-DV
JP-DVF
JP-4MED, JP-4HD
JP-DA
JP-DV
JP-DVF

Access control
AC-10S
Access control keypad, surface mount
AC-10F
Access control keypad, flush mount

Lineup

Specifications (JP-4MED, JP-4HD)

Power source
24V DC

Power supply
PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-O

Consumption
Max. 340mA (JP-4MED), Max. 200mA (JP-4HD)

Communication
Automatic (Hands-free): approx. 1 min.
To activate, touch TALK button.
Handset: approx. 3 min. To activate, lift handset.

Video monitor
7 inch color LCD screen

Pixels
1,150,000 pixels

Video output
NTSC/PAL, 1Vp-p/75Ω

Night viewing
Up to 50cm from camera, with white LED projected,
background beyond 50cm cannot be seen.

Door release
24V AC/DC, 500mA (N/O dry closure contact)

Option output
24V AC/DC, 1A (N/O dry closure contact)

Wiring
Door to master: 2-cond., mid cap, solid, non-shielded.
Master to sub: CAT5e

Wiring distance
Door to Master: 100m (1.0mm²)
Master to farthest sub: 300m (CAT5e)

Unit dimensions

JP-4MED, JP-4HD
JP-DA
JP-DV
JP-DVF

Image view area


approx. 130cm
approx. 95cm
approx. 80cm
approx. 60cm
approx. 185cm
approx. 125cm
approx. 95cm
approx. 90cm
approx. 60cm
approx. 50cm
approx. 90cm
approx. 80cm
approx. 50cm
approx. 90cm
approx. 60cm
approx. 50cm
**7 inch Touch Screen Color Video Intercom**

### Wiring

**Station-to-Station Wiring (Daisy-chain Wiring)**

Cumulative total wiring distance (using CAT5e cables): Max. 300m \((A)x2+(B)x7+(C)=Max.300m\)

**Centralized Wiring (Homeron Wiring)**

Cumulative total wiring distance (using CAT5e cables): Max. 300m \((B)+(D)x7=Max.300m\)

**Combined Wiring**

Cumulative total wiring distance (using CAT5e cables): Max. 300m \((A)+(B)x2+(D)x4=Max.300m\)

*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" on the right for the maximum distance between each device.

**Wiring distance between each device**

<table>
<thead>
<tr>
<th>CAT5e</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>30m</td>
</tr>
<tr>
<td>B</td>
<td>200m</td>
</tr>
<tr>
<td>C</td>
<td>50m</td>
</tr>
<tr>
<td>D</td>
<td>50m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wire diameter (PE cable)</th>
<th>0.65 mm</th>
<th>0.8 mm</th>
<th>1.0 mm</th>
<th>1.2 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>5m</td>
<td>10m</td>
<td>20m</td>
<td>30m</td>
</tr>
<tr>
<td>F</td>
<td>5m</td>
<td>5m</td>
<td>10m</td>
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<tr>
<td>G</td>
<td>5m</td>
<td>5m</td>
<td>10m</td>
<td>10m</td>
</tr>
</tbody>
</table>

**Color Video Entry Security**

- AC transformer
- PS-2420S/UL/BF/DM/-O
- PJ-4MED
- JP-4HD
- JP-DV
- PS24
- Door station 1
- Door station 2
- Door station 3
- Door station 4

**Multiple door release adaptor**

- RJ-3DL to EL-12S 50m (0.65mm Ø)
- RJ-3DL to EL-12S 50m (1.0mm Ø)
- RJ-3DL to EL-12S 100m (1.2mm Ø)

**Features**

- Door release contacts release
- Selective door release with one button
- Door release contacts release
- Door station selecting

**Security/Utility input specification**

- Input method: N/O or N/C dry closure contact
- Start signal only detection method
- Contact resistance: During N/O dry closure: Less than 1000Ω During NC dry closure: more than 1500Ω
- Terminal short current: Less than 10 mA
- Voltage between terminals: Less than 30V

**Notes**

- Max. 300m
- [B]+([D]x7)=Max.300m
- [A]+([B]x2)+([D]x4)=Max.300m
- Wires to electric door 1:
  - Door station 1: Door 1
  - Door station 2: Door 2
  - Door station 3: Door 3
  - Door station 4: Door 4

**Relay contacts**

- Normally open output. 1A at 50V AC. 1A at 30V DC (for other types, use matching relay)

**Connector**

- 4-pin option connector
- Used for connecting JPW-BA

**Video signal output**

- NTSC/PAL, 1Vp-p/75Ω
- Optical output

**Terminal short current**

- Less than 10 mA

**Max. 300m**

- [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.

**Wiring distance**

- 5m, 10m, 20m, 30m
- 50m, 100m
- 150m, 200m, 300m
- Max.: 600m
Long distance adaptor

Features
- When JP series door station is more than 100m to max. 300m away.
- CCTV camera can be integrated by connecting JPW-BA.

Unit dimensions

Multiple door release adaptor

Features
- Selective door release with one button
- Door release contacts release the door where communication is established.
- Normally open contacts for electric strike. Normally closed contacts to work with magnetic locks.

Used for
JP-4MED

Specifications
Power source 12-24V DC, 40mA 12-16V AC, 60mA
Power supply PS-2420S/UL/BF/DM/-O; PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-0 of system or separate
Current consumption MAX. 90mA
Wiring 2 parallel wires to ea. door & master.

Specifications
Power source 24VDC, supplied by PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-0 of system or separate
Current consumption MAX. 90mA
Wiring distance Master to RY-3DL 50m (0.65mm²) 100m (1.0mm²) DC (for other types, use matching relay)

Wiring

When extending the distance between the master station and a door station

When connecting a third-party CCTV camera and an audio door station in place of a video door station.

When this switch is set to either “NTSC” or “PAL”, the Zoom / Wide and Pan & Tilt function are disabled.