### Features
- Up to 120 video entrance stations and 8 master stations
- All wired on CAT5e, homerun cabling
- Total hands-free, auto-voice actuation, communication or Press-to-talk operation
- Two talk channels and two video channels
- Communication privacy
- Master stations available with 3.5 inch color TFT LCD
- Selective door release
- Master-to-master selective calling and All Call
- Standard or Priority call levels from door stations
- Scan monitoring: Hands-free audio/visual monitoring
- Video output from CEU and AX-8MV
- Integrate with CCTV, Access control etc.
- PC interface for programming and event logging
- Rack or wall mountable CEU
- Compatible with IE Series door stations
- Optional features: headset, footswitch, and PC remote control

### Communication network

**Calling & communication (w/video from door)**

**Door release**
Integratable Audio & Video Security

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**Features**

- **PC programming**
- **Communication network**
- **System Integration Cabling**
- **Monitor**
- **Video**
- **Security Integration Software**
- **AX System**
- **AX-DV** Color video door station surface mount
- **AX-DVF** Color video door station flush mount
- **AX-DVF-P** Color video door station w/ space for embedded proximity reader surface mount
- **AX-DM** Audio door station Mullion type
- **IF-DA** Audio door station
- **IE-JA** Audio door station
- **AX-8MV** 8-call color monitor master station
- **AX-8MV-W** (white)
- **AX-8MV-P** Color video door station w/ space for embedded proximity reader flush mount
- **AX-16SW** 16-call add-on selector
- **AX-084C** Central exchange unit, 4 masters and 8 doors
- **AX-248C** (Photo) Central exchange unit, 8 masters and 24 doors
- **AX-320C** Add-on exchange unit, 32 doors
- **PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-O**
- **EL-12S** Electric door strike → P.134
- **AC-10S** Access control keypad, surface mount → P.132
- **AC-10F** Access control keypad, flush mount → P.132
- **ZINC, STAINLESS**

**System Integration**

**Cabling**
Integratable Audio & Video Security

Wiring

Mounting locations

Install the video master station in a place where the screen is not exposed to direct sunlight.

Do not install a video door station in any of the following locations where lighting or the ambient environment could impact the display on the video master station due to the characteristics of the door station’s camera.
1. Locations subject to direct sunlight
2. Under street lights or door lights
3. Other locations subject to strong lighting conditions
### Components

<table>
<thead>
<tr>
<th>Number of door stations</th>
<th>Number of master stations</th>
<th>Number of add-on selectors per master</th>
<th>Number of central exchange units</th>
<th>Number of add-on exchange units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 8</td>
<td>up to 4</td>
<td></td>
<td>AX-084C</td>
<td>AX-248C</td>
</tr>
<tr>
<td>9 - 24</td>
<td>up to 8</td>
<td>1</td>
<td></td>
<td></td>
</tr>
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<td>25 - 40</td>
<td>up to 4</td>
<td>2</td>
<td>1</td>
<td>1</td>
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<tr>
<td>41 - 56</td>
<td>up to 8</td>
<td>3</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>57 - 72</td>
<td>up to 4</td>
<td>4</td>
<td>1</td>
<td>2</td>
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<td>73 - 88</td>
<td>up to 8</td>
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<td>1</td>
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<tr>
<td>89 - 104</td>
<td>up to 4</td>
<td>6</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>105 - 120</td>
<td>up to 8</td>
<td>7</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

NOTE: Use the AX-248C for systems with more than 4 master stations (may effect the required quantity of AX-320C). 2 pcs of power supplies are required for video system.

### Unit dimension

#### AX-DV

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX-DV</td>
<td>194 x 63</td>
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</table>

#### AX-DVF

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
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<tr>
<td>AX-DVF</td>
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#### AX-DM

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>AX-DM</td>
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#### AX-8MV

<table>
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<tr>
<th>Component</th>
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<tbody>
<tr>
<td>AX-8MV</td>
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</tbody>
</table>

#### AX-16SW

<table>
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<tr>
<th>Component</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>AX-16SW</td>
<td>194 x 63</td>
</tr>
</tbody>
</table>

#### AX-084C, AX-248C

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>AX-084C</td>
<td>194 x 63</td>
</tr>
<tr>
<td>AX-248C</td>
<td>194 x 63</td>
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#### AX-320C

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX-320C</td>
<td>194 x 63</td>
</tr>
</tbody>
</table>

### Image view area

- **AX-DV, AX-DVF**
- **AX-DV-P, AX-DVF-P**

#### Specifications

- **Power source**: 24V DC, 2A (Two Power supplies required per video system)
- **Power supply**: PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-O
- **Current consumption**:
  - AX-084C: Video (Max.) 650mA, Audio (Max.) 700mA
  - AX-248C: Video (Max.) 1150mA, Audio (Max.) 1250mA
  - AX-320C: Video (Max.) 280mA, Audio (Max.) 180mA
- **Calling**:
  - Normal call: an intermittent tremolo
  - Priority call: a rapid intermittent tremolo
- **Approx. 10-600 sec. or infinite**
- **AUTOMATIC (Hands-free)**: To activate, momentarily press TALK button.
- **MANUAL (Press-to-talk/Release-to-listen)**: To activate, press TALK button for 1 sec. or more.
- **Approx. 30-600 sec.**
- **Video monitor**: 3.5 inch direct view TFT color LCD
- **Scaning lines**: 525 lines
- **Night viewing**: Up to 30cm from camera, with white LED projected, background beyond 30cm cannot be seen.
- **Power supply**: 24V AC/DC, 0.5A
- **Video master station**:
  - AX-DV: NTSC standard 1Vpp (0.7-1.4Vpp)
  - AX-8MV: NTSC standard 1Vpp (0.7-1.4Vpp)
  - AX-DVF: NTSC standard 1Vpp (0.7-1.4Vpp)
  - AX-DM: NTSC standard 1Vpp (0.7-1.4Vpp)
- **Homerun CAT5e wire**
  - CEU to door: 300 m (CAT5e)
  - CEU to master: 300 m (CAT5e)
- **Power supply current consumption**:
  - AX-084C, 248C: NTSC standard 1Vpp (0.7-1.4Vpp)
  - AX-320C: NTSC standard 1Vpp (0.7-1.4Vpp)
  - BNC x 2
  - Switching signal: Open collector output
  - 24V DC, 30mA
  - RJ-45 x 2
- **AX-8MV (-W)**
- **AX-DVF (-P)**
- **AX-DM**
- **IF-DA**
  - 1-gang: 70 x 130 x 50 cm
  - 2-gang: 115 x 70 x 50 cm
- **IE-JA**
  - 2-gang: 115 x 70 x 50 cm
- **Wiring**
  - CEU to door: 300 m (CAT5e)
  - CEU to master: 300 m (CAT5e)

### Mounting locations

- **AX-DV, AX-DVF**
- **AX-DV-P, AX-DVF-P**

- **AX-DM**

- **IF-DA**

- **IE-JA**

- **AX-RJ**

- **AX-RJ-P**

- **AX-RJ-P**