

Integratable Audio & Video Security

MASTER 8 ▶ DOOR 120 AX

Master station



AX-8MV
8-call color monitor master station
AX-8MV-W
(white)



AX-8M
8-call audio master station



AX-16SW
16-call add-on selector



AX-8MV, AX-16SW

Central exchange unit



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

Power supply
PS-2420S PS-2420UL
PS-2420BF PS-2420DM PS-2420-O
→ P.137

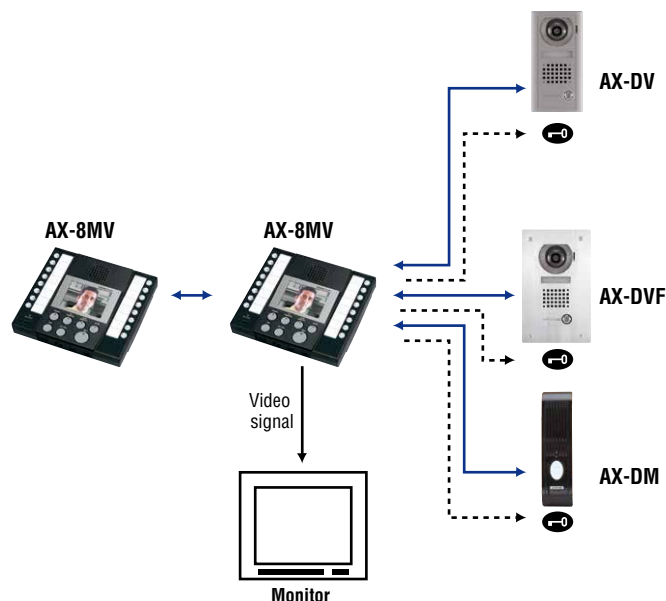
Features

- 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

PC programming

AX Setup Tool							
Exchange Unit/Master Station		Door Station		Time-Out	GO Transfer/Communication		
3. Door							
Exchange No.	No.	Location Name	Video Audio	Series	Call Level	DR Relay	Scan Monitor
1	1	Front Entrance	Video	AX	Priority	N.O.	Enable On
	2	Parking	Video	AX	Normal	N.O.	Enable On
	3		Video	AX	Normal	N.O.	Enable On
	4		Video	AX	Priority	N.O.	Enable On
	5		Video	AX	Normal	N.O.	Enable On
	6		Video	AX	Normal	N.O.	Enable On
	7		Video	AX	Normal	N.O.	Enable On
	8		Video	AX	Normal	N.O.	Enable On

Communication network



↔ Calling & communication (w/video from door)

--- Door release

Door station



AX-DV
Color video door station surface mount



AX-DV-P
Color video door station w/space for embedded proximity reader surface mount



AX-DVF
Color video door station flush mount



AX-DVF-P
Color video door station w/space for embedded proximity reader flush mount



AX-DM
Audio door station Mullion type



IF-DA
Audio door station



IE-JA
Audio door station

Lineup



EL-12S
Electric door strike
→ P.134

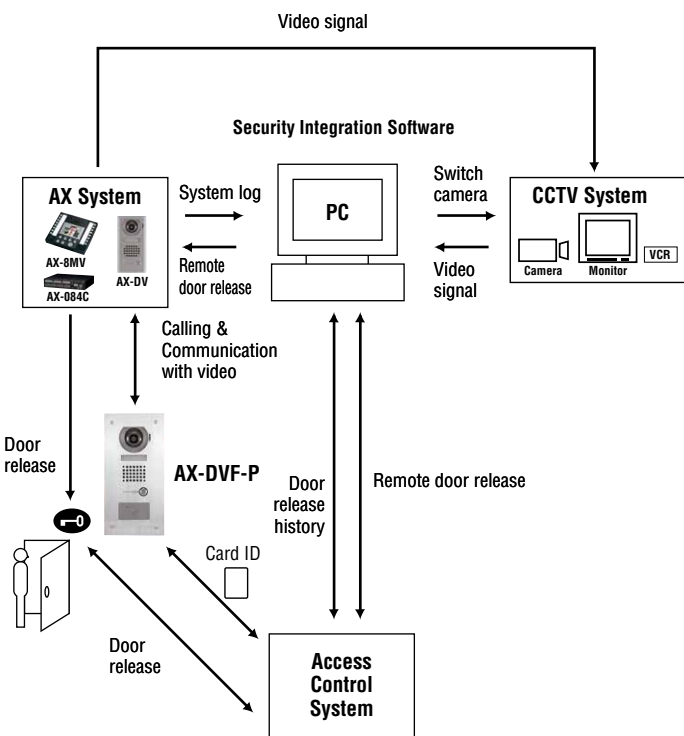


AC-10S
Access control keypad, surface mount
→ P.132

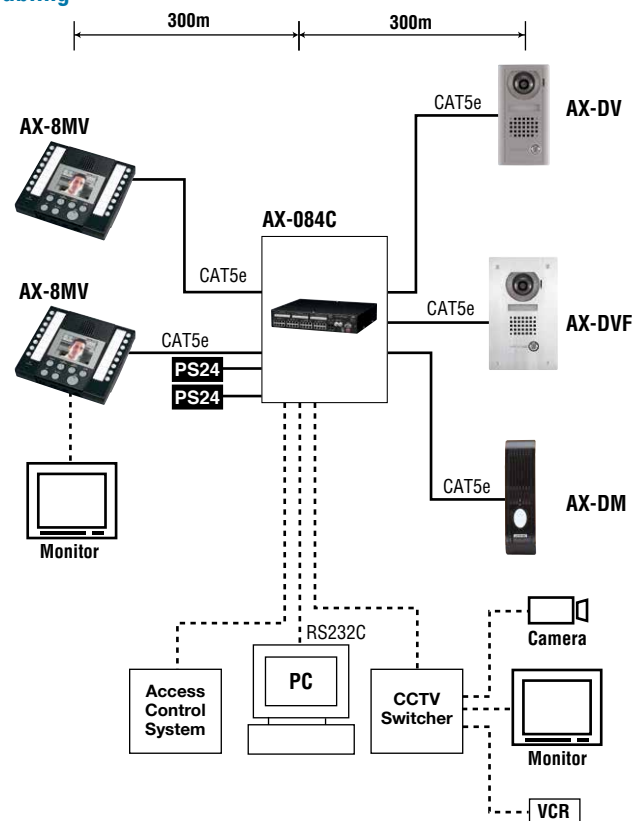


AC-10F
Access control keypad, flush mount
→ P.132

System Integration

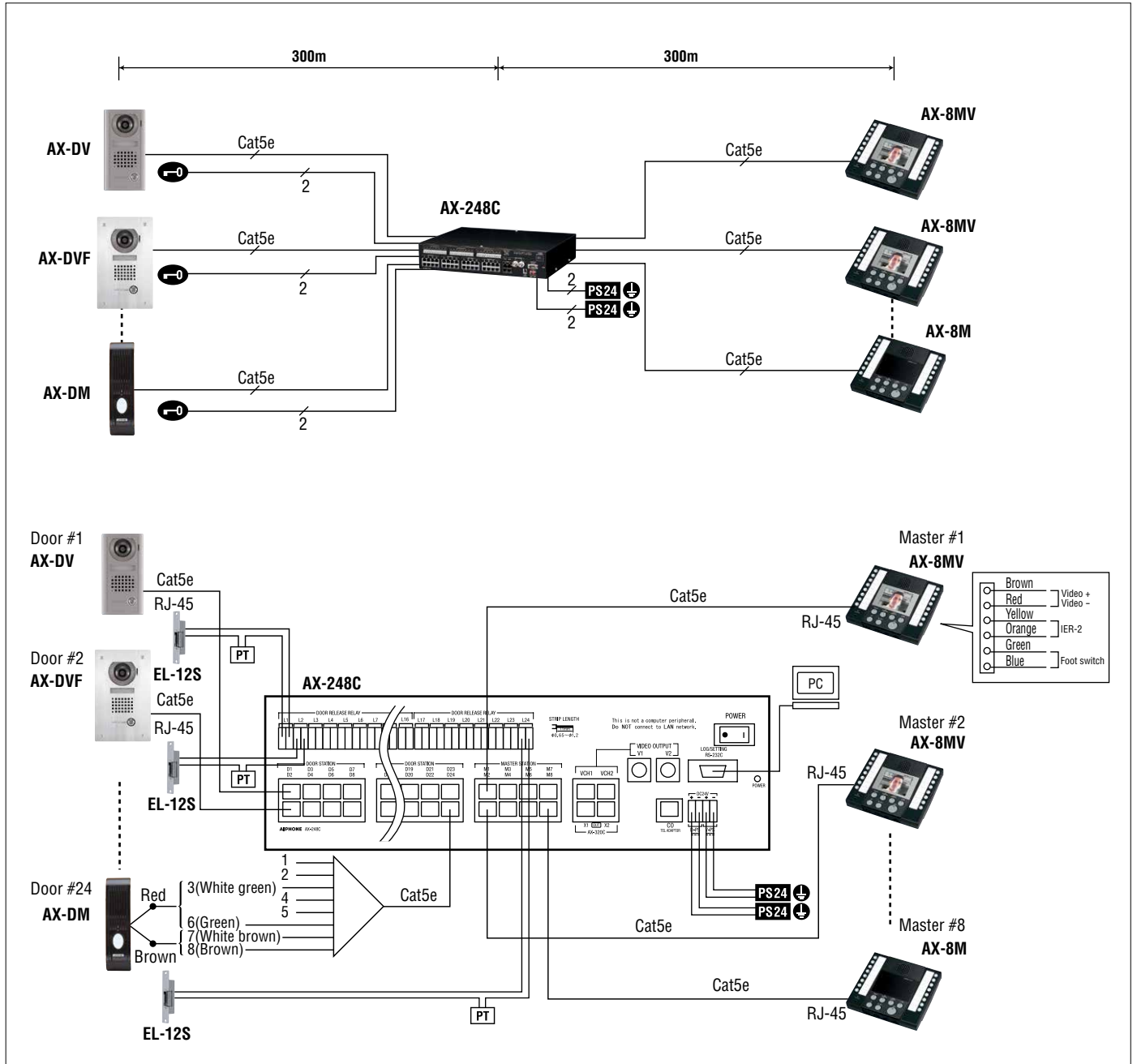


Cabling



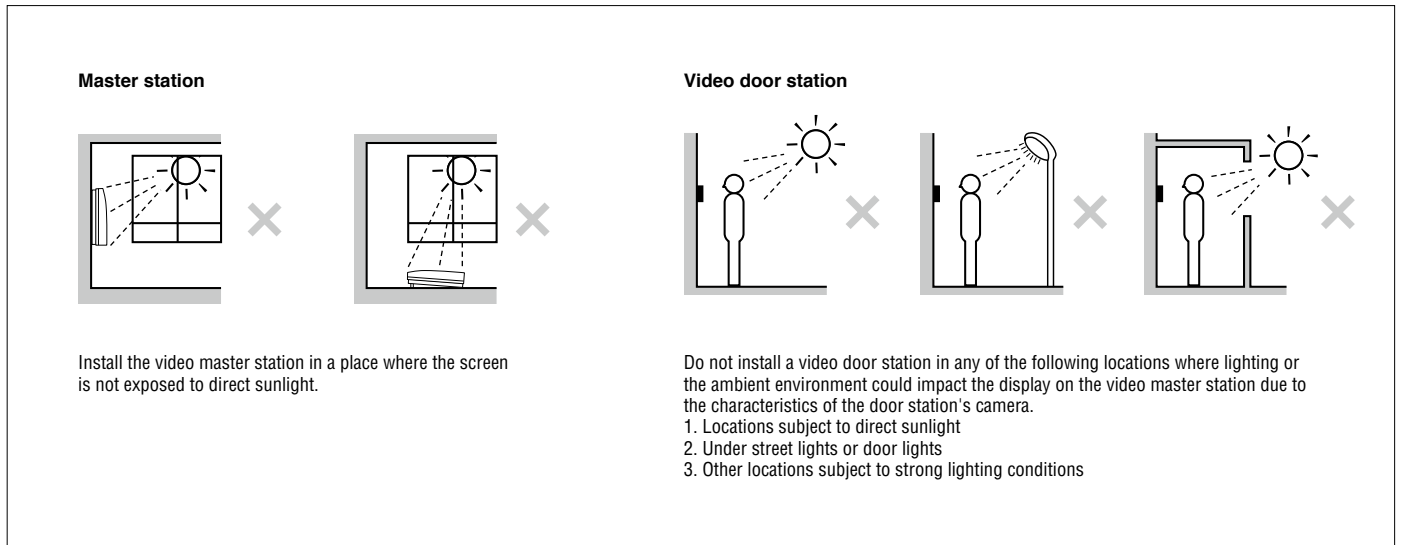
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Wiring










PS24 : PS-2420S, PS-2420UL, PS-2420BF, PS-2420DM, PS-2420-O PT : AC transformer

Mounting locations



Components

						
AX-DV	AX-DVF	AX-DM	AX-8MV (AX-8M audio only)	AX-16SW	AX-084C or AX-248C	AX-320C
Number of door stations	Number of master stations	Number of add-on selectors per master	Number of central exchange unit		Number of add-on exchange units	
			AX-084C	AX-248C		
1 ~ 8	up to 4	—	1	—	—	
9 ~ 24	up to 8	1	—	1	—	
25 ~ 40	up to 4	2	1	—	1	
41 ~ 56	up to 8	3	—	1	1	
57 ~ 72	up to 4	4	1	—	2	
73 ~ 88	up to 8	5	—	1	2	
89 ~ 104	up to 4	6	1	—	3	
105 ~ 120	up to 8	7	—	1	3	

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

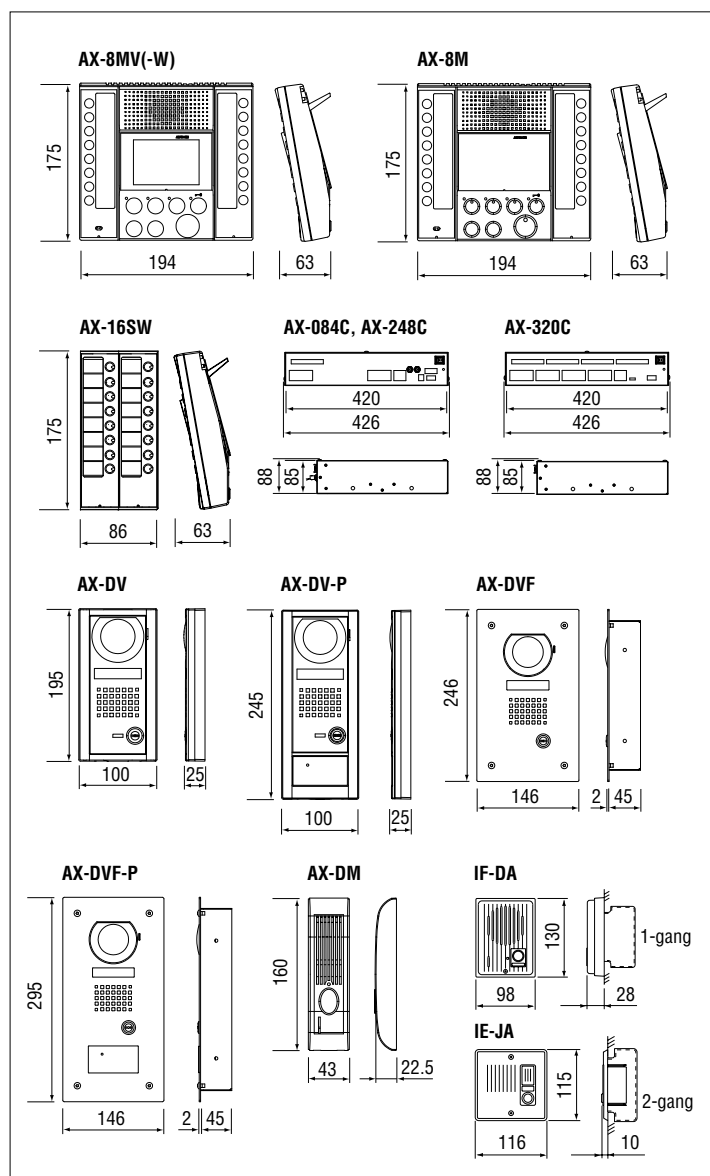
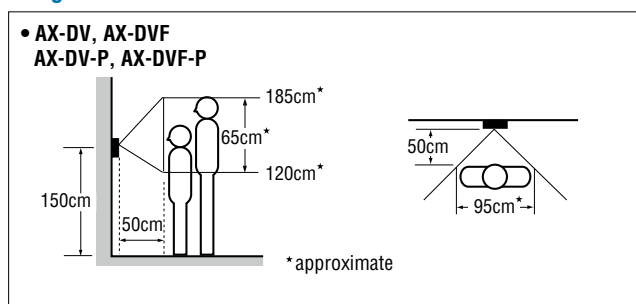


Image view area



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
Communication	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
Scanning lines	525 lines
Night viewing	Up to 30cm from camera, with white LED projected, background beyond 30cm cannot be seen.
Door release contact	24V AC/DC, 0.5A
Outside video output	AX-084C, 248C: NTSC standard 1Vpp (0.7-1.4Vpp) BNC x 2 Switching signal: Open collector output 24V DC, 30mA RJ-45 x 2
Wiring	AX-8MV: NTSC standard 1Vpp (0.7-1.4Vpp) Homerun CAT5e wire to CEU
Wiring distance	CEU to door: 300 m (CAT5e) CEU to master: 300 m (CAT5e)