Stations & Accessories

PanTilt Video Door Station (Max. 2 per system)

JA-DGC
Semi-flush mount PanTilt Door Station
- Weather resistant
- Hands-free audio communication
- PanTilt color camera
- Mounts to a three-gang box
- Aluminum die-casting panel
- White illumination LEDs for low light conditions
- Illuminated call button

JA-DAC
Surface Mount PanTilt Door Station
- Weather resistant
- Constructed of durable ABS plastic
- PanTilt color camera
- Mounts to a one-gang box
- White illumination LEDs for low light conditions
- Illuminated call button

Audio Door Station (Max. 1 per system)

JA-D
Audio Door Station
- Used in place of one video door station
- Hands-free audio communication
- Constructed of durable ABS plastic
- Mounts to a one-gang box

Camera (Max. 2 per system)
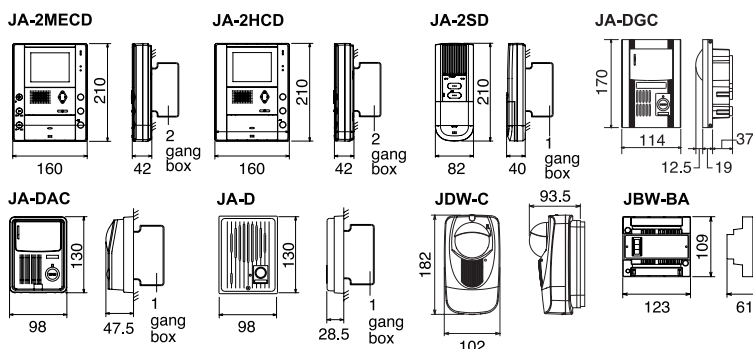
JDW-C
Motion Sensor Camera
- Weather resistant
- Mounts to a one-gang box
- Heat ray type sensor detection

Master Station (1 Req. per system)

JA-2MECD/JA-2MCD
- 4" TFT color video monitor
- Hands-free VOX or Push-To Talk communication
- PanTilt controls
- Built-in picture memory (JA-2MECD Only)
- Built-in video output
- All Call to other units in system
- Instant-on when called
- Can activate door stations or Motion-sensor cameras
- Selective door release

Sub Station (Max. 2 per system)

JA-2HCD
- 4" TFT color video monitor
- Hands-free VOX or Push-To Talk communication
- PanTilt controls
- All Call to other units in system
- Instant-on when called
- Can activate door stations or Motion-sensor cameras
- Selective door release

JA-2SD
Audio Sub Station
- Hands-free VOX or Push-To-Talk Communication
- All Call to other units in system
- Instant on when called
- Selective door release

Accessories

KAW-D
30 Degree mounting bracket for JA-DAC or JA-D

IER-2
Door call-in chime extension speaker

JBW-BA
Long distance adaptor Up to 350m distance between video door station and master station

EL-9S
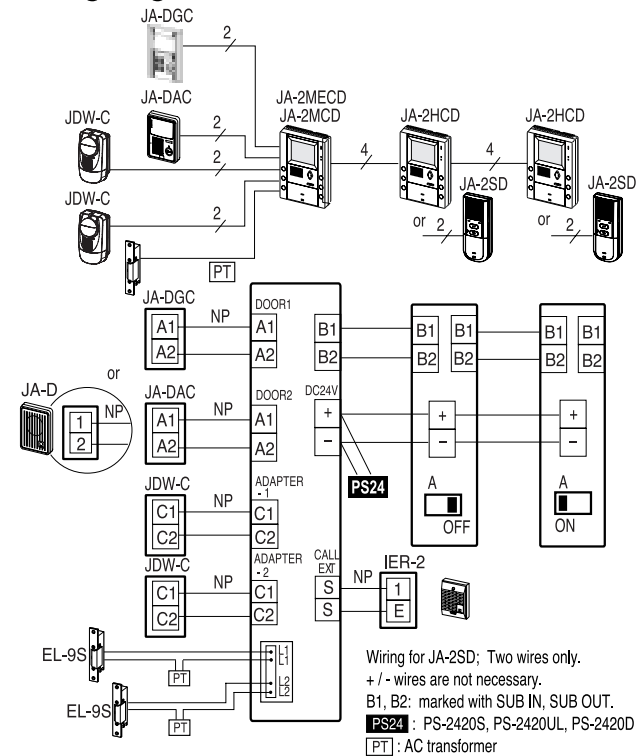Door release 12V AC, 0.35A (Requires an AC transformer)

Specifications (JA-2MECD, JA-2MCD)

Power source	DC 24V (Use PS-2420S, PS-2420UL, PS-2420DIN)
Current consumption	JA-2MECD: max.750mA. JA-2MCD: 680mA JA-2HCD: 290mA
Calling	Chime. Image & voice, approx. 30 sec.
Communication	AUTO; Press TALK momentarily, then talk/listen is auto voice-actuated MANUAL; Press TALK 1 sec. or more Then, press to talk, release to listen
Video monitor	4" TFT color LCD
Scanning line	525 lines
Door release	AC 12V, 350mA (dry closure contact L,L)
Wiring	2-wire parallel, door to master 4-wire parallel, station to station Vinyl-jacket, PE insulation (Non-Twisted, Non-Shielded)
Wiring distance	JA Master - Door 100m (1.0mmø) JA Master - JA sub 100m (1.0mmø) JA Master - Power 10m (1.0mmø) JA Master - JDW-C 100m (1.0mmø)

Unit Dimensions

JA-2MECD 210 160 42 2 gang box
JA-2HCD 210 160 42 2 gang box
JA-2SD 88 210 82 40 1 gang box
JA-DGC 170 114 12.5 19 37
JA-DAC 130 98 47.5 1 gang box
JA-D 130 98 28.5 1 gang box
JDW-C 182 93.5 102
JBW-BA 109 123 61

Wiring Diagram

JA-DGC 2
JDW-C JA-DAC 2 2
JDW-C 2
PT
JA-DGC
JA-D or
A1 A2 NP
JA-DAC A1 A2 NP
JDW-C C1 C2 NP
JDW-C C1 C2 NP
EL-9S
EL-9S

JA-2MECD JA-2MCD 4 JA-2HCD 4 JA-2HCD
JA-2SD JA-2SD
or 2 or 2

DOOR1 A1 A2 B1 B2
DOOR2 A1 A2
DC24V + −
ADAPTER -1 C1 C2
ADAPTER -2 C1 C2
CALL EXT S S NP
IER-2 1 E

B1 B2 B1 B2 B1 B2 B1 B2
+ − A OFF
+ − A ON
PS24

Wiring for JA-2SD; Two wires only.
+ / - wires are not necessary.
B1, B2: marked with SUB IN, SUB OUT.
PS24 : PS-2420S, PS-2420UL, PS-2420DIN
PT : AC transformer

JA Series
Open Voice PanTilt Color Video
Integratable Entry Security Solution

AIPHONE®

DOOR 1 2
SET
SET SAVE
PLAY
REC
MONITOR
BRIGHT L H
CALL
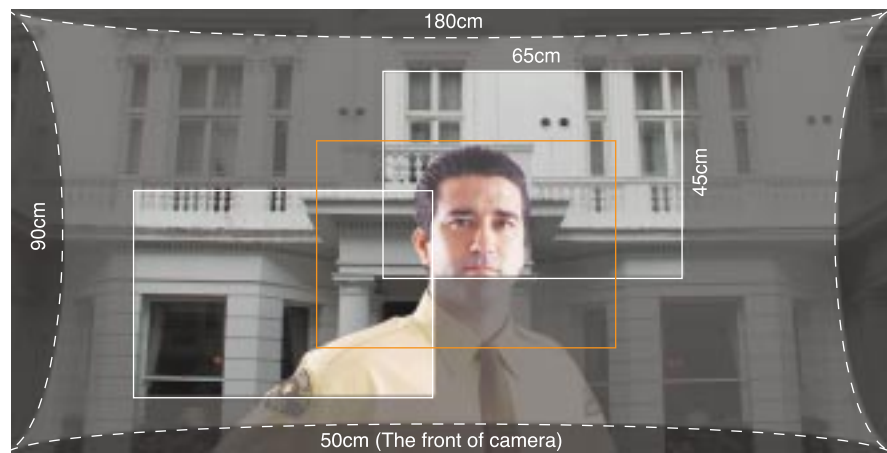AIPHONE JA-2MECD
TALK

Shown : JA-2MECD

The JA Series is designed to meet all your entry security needs. Expanded capacity, seamless integration to CCTV system, and built in selective door release are just a few of the standard features of this remarkable system. Adding an optional digital recorder style master ensures that all facets of a CCTV system can be covered in one convenient package.

Aiphone's color video system protects homes and businesses using up to four cameras.

2 PanTilt video door stations and 2 Motion-sensor cameras allow you to visually communicate with visitors and spot suspicious people from 3 rooms, and the camera images can be recorded.

PanTilt enables control over a wide field of vision.

180cm
65cm
45cm
90cm
50cm (The front of camera)

The field of vision can be controlled in any direction to match the standing position of the visitor
The image of the PanTilt video door station can be adjusted to a more visible position from inside the building, using control located below the four inch color monitor.

JA-DGC
Vandal resistant, semi flush mount, PanTilt door station

JA-DAC
PanTilt color video door station, surface mount

The motion sensor camera detects intruders, alerts the inside through a video image and alarm.

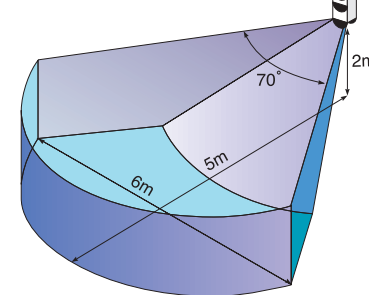**Activate**

Replay

10/NOV/05 15:30

Alerts interior stations with video and alarm activation
・When an intruder is detected, the inside of the building is alerted through a video image and alarm.
・The motion-sensor camera activates 1 minute after the SET button is pressed.
Recording capability
・When motion sensor is activated, interior stations turns on, and alarm sounds and an image is saved. (Will not record people who pass through)

■Motion-sensor camera detection area

2m
70°
5m
6m

JDW-C
Motion-sensor camera

JDW-C
Motion-sensor camera

4Inch
Color monitor

JA-2MECD
Master station w/color monitor, PanTilt, picture memory

or

JA-2MCD
Master station w/color monitor, PanTilt Non-picture memory

Video output (NTSC)
A composite video output is provided from the JA master station

JA-2HCD
Sub station w/color monitor, PanTilt

or

JA-2SD
Audio sub station

JA-2HCD
Sub station w/color monitor, PanTilt

or

JA-2SD
Audio sub station

Recording images from door and camera stations using the JA-2MECD

01/NOV/05 13:30

Record 4 screens in 4-second intervals
Be sure to get an image even if the visitor moves.
4 types of recording mode
(1) 16 screens (4 screens in succession)
(2) 16 screens (full screen recording)
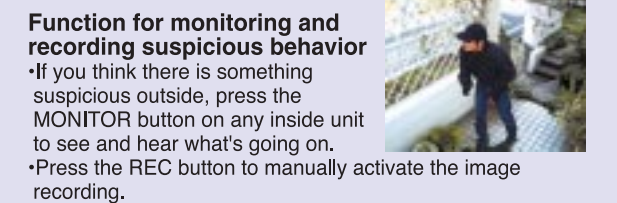(3) 32 screens (full screen recording)
(4) 60 screens (full screen recording)

01/NOV/05 13:30

Enlarge the best shot
Enlarge and play the shot with the most recognizable face.
Save up to 8 scenes
Up to 8 of the recorded scenes can be saved on the station.
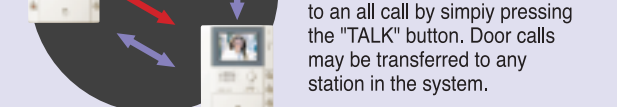
01/NOV/05 13:30

Record while talking
Manual recording is possible even while talking with the door station.

Function for monitoring and recording suspicious behavior
・If you think there is something suspicious outside, press the MONITOR button on any inside unit to see and hear what's going on.
・Press the REC button to manually activate the image recording.

Room-to-Room Communication
All-Call to all room stations simultaneously from any of the connected room stations. Reply to an all call by simply pressing the "TALK" button. Door calls may be transferred to any station in the system.

Nighttime visitors can also be viewed in color
Color video is operational during low light conditions when white illuminator LEDs built into the video door station automatically activate. (Brightness of subject 5 lux or more, approx. 30cm in front of the camera)

Electric door release
Two door release contacts for selective control.

External talk switch Connection
An optional foot switch or any other dry closure contact device can operate the "TALK" switch. When it is difficult to press the TALK button on the monitor for whatever reason, you can communicate by stepping on a foot switch. Any normally open switch can be used to activate the TALK button.