

**Box Sets: select 1** (a single sub master station can be added)



**START with a BOX SET**

- JKS-1AED**  
Box Set with JK-DA, JK-1MED, and PS-1820UL
- JKS-1AEDV**  
Box Set with JK-DV, JK-1MED, and PS-1820UL
- JKS-1AEDF**  
Box Set with JK-DVF, JK-1MED, and PS-1820UL

## Master Station



- JK-1MED**  
Video Master Station  
(included with all JKS box sets)
  - 3-1/2" LCD screen
  - Picture Memory
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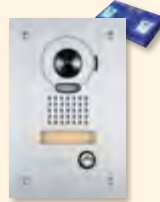
**Door Stations: select 1** (none if a box set is selected)



- JK-DA**  
Video Door Station  
(included with JKS-1AED box set)
  - PTZ camera
  - Plastic chassis
  - Weather resistant
  - Surface mount
 → p. 89



- JK-DV**  
Video Door Station  
(included with JKS-1AEDV box set)
  - PTZ camera
  - Zinc die cast cover
  - Weather and vandal resistant
  - Surface mount
 → p. 89



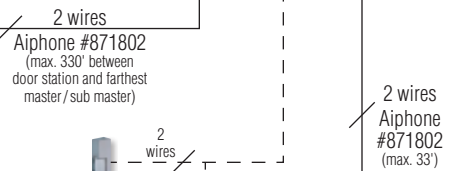
- JK-DVF**  
Video Door Station  
(included with JKS-1AEDF box set)
  - PTZ camera
  - Stainless steel panel
  - Weather and vandal resistant
  - Flush mount (back box included)
 → p. 90



- JK-DVF-HID**  
Card Access Video Door Station
  - HID® ProxPoint® Plus Proximity Card Reader
  - PTZ camera
  - Stainless steel panel
  - Weather and vandal resistant
  - Flush mount (back box included)
 → p. 90



- JK-DVF-AC**  
Keycode Access Video Door Station  
(requires separate 12-24V AC/DC power supply)
  - Access keypad
  - PTZ camera
  - Stainless steel panel
  - Weather and vandal resistant
  - Flush mount (back box included)
 → p. 90



**EL-12S**  
Electric Door Strike  
(requires PT-1210N)



**PT-1210N**  
12V AC Transformer  
(required for EL-12S)



**PS-1820UL**  
(included with all JKS box sets)  
18V DC, 2A Power Supply  
→ p. 111

## Door Station Features

- Digital PanTilt and Zoom camera eliminates blind spots with 170° wide angle lens
- Card and keypad access door stations available

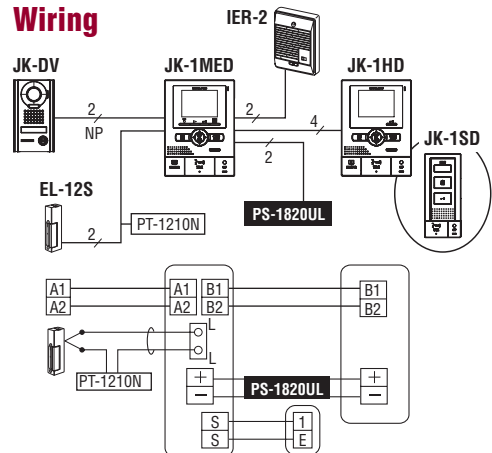
## Master Station Features

- 3-1/2" LCD screen
- Compact, attractive design complements most interiors
- Hands-free or push-to-talk communication
- Camera position and zoom can be set for call-in
- Includes single N/O door release contact
- Camera can be adjusted to compensate for bright illumination
- Picture memory records up to 40 calls in both wide angle or preset zoom view (JK-1MED only)
- Entry can be monitored via the master station
- 1 output to control a secondary device like a light, gate, or additional door
- Video out to DVR via supplied connector

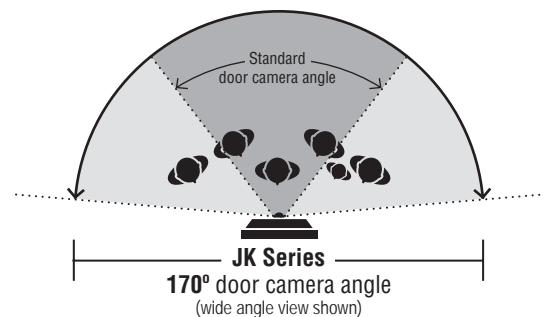
## System Features

- Convenient box sets are complete with a master station, each with a different door station, and a power supply (1 sub master station can be added for a full 1x2 system)
- Quick and easy to install – only 2 wires!
- Can go online using the JKW-IP Video Intercom Adaptor in place of the JK-1HD (see page 16)

## Wiring



## Camera View Area



# JK Series Components

## Master & Sub Master Stations



**JK-1MED**  
Video Master Station  
(included with all JKS and JKS-IP box sets)

- 3-1/2" LCD screen
- Picture Memory



**JK-1HD**  
Video Sub Master Station

- 3-1/2" LCD screen



**JK-1SD**  
Audio Sub Master Station

### Features

- Video identification and monitoring with 3-1/2" screen (JK-1MED, JK-1HD)
- Hands-free communication
- Door release
- Call between inside stations
- PanTilt and Zoom control for camera (JK-1MED, JK-1HD)
- Simple 2-cond. wiring
- Surface mounts to wall on 1-gang box or ring
- Constructed with sturdy ABS plastic

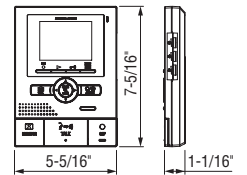
### Features

- (additional for JK-1MED)
- Internal Picture Memory
  - Communication time adjustment
  - External sensor input

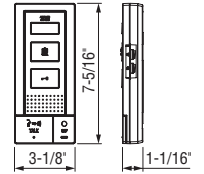
### Specifications

- Power Source 18V DC – use PS-1820UL
- Communication Hands-free (VOX) or push-to-talk (simplex)
- Video Display JK-1MED, JK-1HD: 3-1/2" LCD screen  
JK-1SD: N/A
- Picture Memory JK-1MED: record max. 40 calls (6 images per call) with up to 10 calls protected from overwriting  
JK-1HD, JK-1SD: N/A
- Door Release N/O dry contact, 24V AC/DC, 500mA – use EL-12S (use RY-18L for larger contact rating)
- Mounting Surface mount directly to wall or desk mount using MCW-S/A
- Wire Type Door Station to Master Station: 2-cond., mid cap, solid, non-shielded – use Aiphone #871802  
Power Supply to Master Station: 2-cond., mid cap, solid, non-shielded – use Aiphone #871802  
Master Station to Sub Master Station: 4-cond., mid cap, solid, non-shielded – use Aiphone #871804
- Distance Door Station to farthest (Sub) Master Station: 165'(22AWG) 330'(18AWG)  
Power Supply to Master Station: 33'(18AWG)

### JK-1MED, JK-1HD



### JK-1SD



## Video Door Stations



**JK-DA**  
Video Door Station  
(included with both JKS-1AED and JKS-IPED box sets)

- PTZ camera
- Plastic chassis
- Weather resistant
- Surface mount



**JK-DV**  
Video Door Station  
(included with JKS-1AEDV and JKS-IPEV box sets)

- PTZ camera
- Zinc die cast cover
- Weather and vandal resistant
- Surface mount

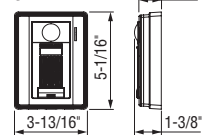
### Features

- LED illumination automatically turns on in low light conditions
- Wide angle camera allows user to view up to 170° of the entry area
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination
- Locator LED above call button is always on (JK-DA)
- Mounts directly to wall or 1-gang box (JK-DA)
- Can be used as a personal tenant door station in a GT Series multi-tenant system (wires to GT-2C only)

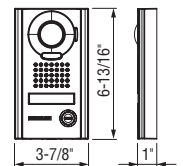
### Specifications

- Power Source Supplied by Master Station
- Communication Hands-free
- Camera Type: 1/4" CMOS  
View Area: 100° vert. x 170° horiz.
- Temp. Rating 14° ~ 140°F (-10° ~ 60°C)
- Material JK-DA: fire resistant PC + ABS plastic  
JK-DV: zinc die cast
- Mounting JK-DA: surface mount directly to wall or 1-gang box  
JK-DV: surface mount directly to wall
- Wire Type Door Station to Master Station: 2-cond., low cap, non-shielded – use Aiphone #871802
- Distance Door Station to farthest (Sub) Master Station: 165'(22AWG) 330'(18AWG)

### JK-DA



### JK-DV



# JK Series Components (continued)

## Video Door Stations (continued)



**JK-DVF**  
Video Door Station  
*(included with JKS-1AEDF and JKS-IPEF box sets)*

- PTZ camera
- Stainless steel panel
- Weather and vandal resistant
- Flush mount *(back box included)*



**JK-DVF-HID\***  
Card Access Video Door Station

- HID® ProxPoint® Plus Proximity Card Reader
- PTZ camera
- Stainless steel panel
- Weather and vandal resistant
- Flush mount *(back box included)*



**JK-DVF-AC**  
Keycode Access Video Door Station  
*(requires separate 12-24V AC/DC power supply)*

- Access keypad
- PTZ camera
- Stainless steel panel
- Weather and vandal resistant
- Flush mount *(back box included)*

### Features

- LED backlit nameplate
- LED illumination automatically turns on in low light conditions
- Wide angle camera allows user to view up to 170° of the entry area
- Camera position and zoom can be set for call-in
- Camera can be manually adjusted to compensate for bright illumination

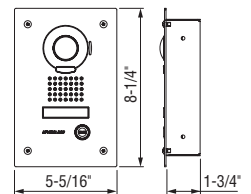
### Features

- (additional for JK-DVF)*
- Can be used as a personal tenant door station in a GT Series multi-tenant system *(wires to GT-2C only)*

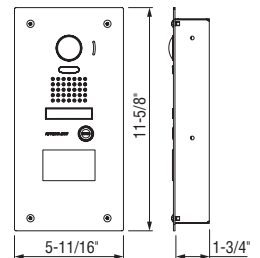
### Specifications

Power Source	Supplied by Master Station (JK-DVF-AC requires separate 12-24V AC/DC power supply)
Communication	Hands-free
Camera	Type: 1/4" CMOS View Area: 100° vert. x 170° horiz.
Temp. Rating	14° - 140°F (-10° - 60°C)
Material	Stainless steel
Mounting	JK-DVF: flush mount with included back box or surface mount with SBX-DVF JK-DVF-HID: flush mount with included back box or surface mount with SBX-DVF-P JK-DVF-AC: flush mount with included back box
Wire Type	Door Station to Master Station: 2-cond., low cap, non-shielded - use Aiphone #871802
Distance	Door Station to farthest (Sub) Master Station: 165'(22AWG) 330'(18AWG)

### JK-DVF



### JK-DVF-HID, JK-DVF-AC



Surface mount boxes available! See p. 106

\* HID® stations require a 3rd party host. Power for card reader and door strike require additional wire.

## IP Video Intercom Adaptor



**JKW-IP**  
IP Video Intercom Adaptor  
*(included with all JKS-IP box sets)*

- Includes computer software
- Up to 20 JK Series sets can be connected with up to 10 PCs using 1 JKW-IP per set

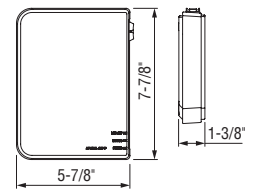
### Features

- Turns the JK Series into an IP video intercom
- 4 sensor inputs and 1 contact output for optional devices

### Specifications

Power Source	Supplied by Master Station
Network Interface	10 BASE-T / 100 BASE-TX Ethernet (RJ-45)
Network Protocols	TCP, UDP, HTTP, SIP, SMTP
Bandwidth Usage	320Kbps to 8Mbps (per JKW-IP)
Software	OS: Windows® XP (SP2), Windows Vista® (32/64 bit), Windows® 7 (32/64 bit), Windows® 8 (32/64 bit), or Windows® 10
Processor	1GHz or faster
Memory	256MB of RAM
Temp. Rating	32° - 104°F (0° - 40°C)
Wire Type	Master Station to IP Adaptor: 4-cond., mid cap, solid, non-shielded - use Aiphone #871804
Distance	Door Station to IP Adaptor: 165'(22AWG) 330'(18AWG)

### JKW-IP



### Specifications (for optional sensor inputs)

Input Method	N/O or N/C dry closure contact (start signal only detection method)
Detection Confirmation Time	100mS or more
Contact Resistance	N/O: less than 700Ω N/C: at least 3kΩ
Terminal Short Current	Less than 10mA
Voltage Between Terminals	Less than 20V DC (when open between terminals)

### Specifications (for optional output)

Output Method	N/O dry closure contact
Voltage Between Terminals	24V AC, 500mA (resistive load) 24V DC, 500mA (resistive load) 100mV DC, 100mA (min. overload)

## Long Distance Adaptor



**JKW-BA**  
Long Distance Adaptor for Door Stations

### Features

- Extends wiring distance from door stations to master stations up to 980' max.

### Specifications

Power Source	18V DC - use PS-1820UL
Capacity	1 adaptor unit for each video door station located beyond the standard specified wire distance
Mounting	DIN rail (included)
Wire Type	2-cond., low cap, PE, solid, non-shielded - use Aiphone #871802
Distance	Adaptor to Door Station: 650' Adaptor to farthest (Sub) Master Station: 330' Adaptor to Power Supply: 330'

### JKW-BA

