

# KB Series Handset Video Intercom with Tilt

Video Intercoms

## Door Stations: mix and match up to 3 (max. 1 audio door station per system)



**KB-DAR**  
Video Door Station

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

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**KB-DAR-M**  
Video Door Station

- Motion detector contact input
- Tilt camera
- Plastic chassis
- Weather resistant
- Surface mount

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**AX-DM**  
Audio Door Station

- Plastic chassis
- Weather resistant
- Mullion surface mount

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**IF-DA**  
Audio Door Station

- Plastic chassis
- Weather resistant
- Surface mount

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**IE-JA**  
Audio Door Station

- Stainless steel cover
- Weather resistant
- Flush mount (fits 2-gang box)

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**IE-SS/A**  
Audio Door Station

- Stainless steel panel
- Weather and vandal resistant
- Flush mount (fits 2-gang box)

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**IE-SSR**  
Audio Door Station

- Red mushroom call button
- Stainless steel panel
- Weather and vandal resistant
- Flush mount (fits 2-gang box)

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## Master Station

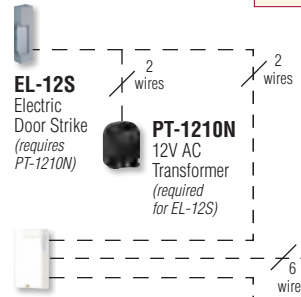


**KB-3MRD**  
Video Master Station

- 4" LCD screen
- Handset for privacy

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2 wires  
Aiphone  
#871802  
(max. 650')



2 wires  
Aiphone  
#871802  
(max. 33')

**PS-2420UL**  
24V DC, 2A  
Power Supply  
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## Door Station Features

- Tilt camera provides larger viewing range (video door stations)

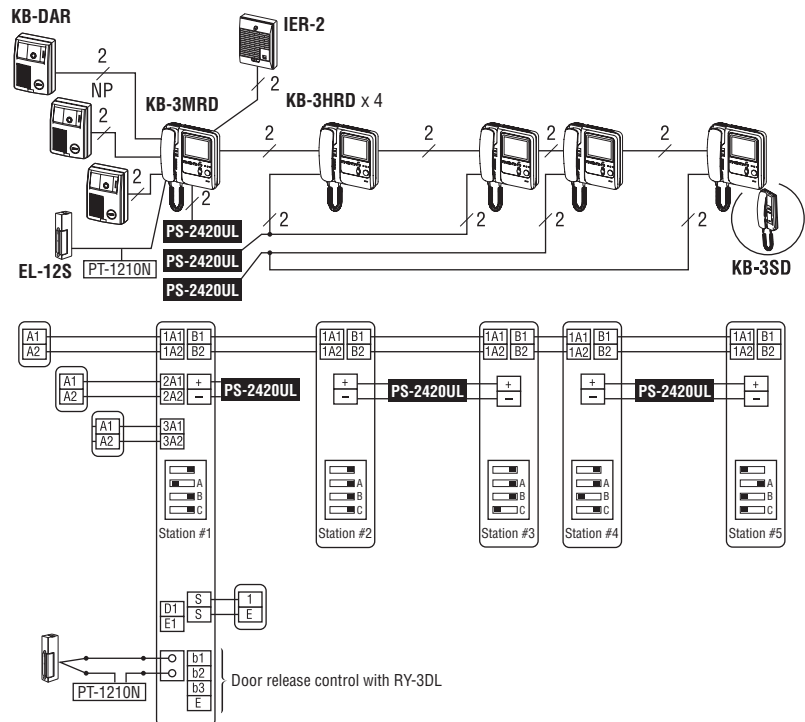
## Master Station Features

- 4" LCD screen
- Instant voice call-in with image
- Selective Call or All Call
- Chime or receiver volume control
- Optional selective door release with RY-3DL
- Video out to DVR via supplied connector

## System Features

- 330' total distance looped between monitors

## Wiring



**NOTES:** 1. D1 and E1 for IE Series door stations (audio only) instead of third KB-DAR  
2. Run audio/video wires in a separate jacketed cable from door release wires

# KB Series Components

## Video & Audio Master Stations



**KB-3MRD**  
Video Master Station

- 4" LCD screen
- Handset for privacy



**KB-3HRD**  
Video Sub Master Station

- 4" LCD screen
- Handset for privacy



**KB-3SD**  
Audio Sub Master Station

- Handset for privacy

### Features

- All Call
- Chime and receiver volume control
- Optional selective door release with RY-3DL
- Two-way communication between inside stations

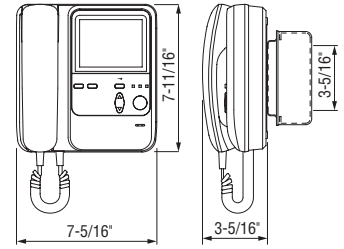
### Features

- (additional for KB-3MRD, KB-3HRD)
- Video identification and monitoring with 4" screen
  - Instant voice call-in with image
  - Built-in illumination for low light conditions
  - Selective Call
  - Video out to DVR via supplied connector (KB-3MRD only)

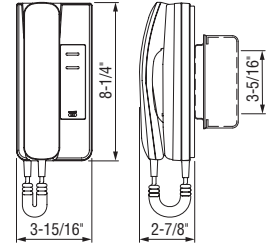
### Specifications

Power Source	24V DC – use PS-2420UL
Communication	Handset (full-duplex)
Video Display	KB-3MRD, KB-3HRD: 4" LCD screen KB-3SD: N/A
Door Release	N/O dry contact, 12V AC, 400mA – use EL-12S (use RY-24L for larger contact rating or RY-3DL for 2 or 3 doors)
Mounting	Surface mount directly to wall or desk mount using MCW-S/A
Wire Type	2-cond., mid cap, solid, non-shielded – use Aiphone #871802
Distance	Master Station to Door Station: 330'(22AWG) 650'(18AWG) Master Station to farthest Sub Master Station: 165'(22AWG) 330'(18AWG) Power Supply to Master Station: 16'(22AWG) 33'(18AWG) Power Supply to Sub Master Station: 16'(22AWG) 33'(18AWG)

### KB-3MRD, KB-3HRD



### KB-3SD



## Video Door Stations



**KB-DAR**  
Video Door Station

- Tilt camera
- Plastic chassis
- Weather resistant
- Surface mount
- Fits 1-gang box



**KB-DAR-M**  
Video Door Station

- Motion detector interface
- Tilt camera
- Plastic chassis
- Weather resistant
- Surface mount
- Fits 1-gang box

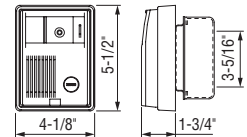
### Features

- Tilt controlled camera
- Mounts directly to wall or 1-gang box
- Locator LED backlit on CALL button
- LED illumination automatically turns on in low light conditions

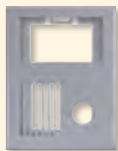
### Specifications

Power Source	Supplied by Master Station
Communication	Hands-free
Camera	Type: 1/4" CCD View Area: 3' 8"~7' 1" vert. x 2' horiz. at 20°
Temp. Rating	14°~140°F (-10°~60°C)
Material	Fire resistant ABS plastic
Mounting	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 Master Station: 330'(22AWG) 650'(18AWG)

### KB-DAR, KB-DAR-M



## Housing Panel for KB-DAR & KB-DAR-M



**KA-DGR**  
Surface Mount Housing Panel for KB-DAR or KB-DAR-M

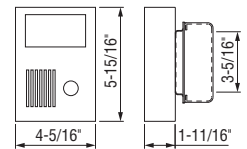
### Features

- Stainless steel construction
- Weather resistant for outdoor use
- Can be added to any existing KB-DAR or KB-DAR-M video door station

### Specifications

Material	Stainless steel
Mounting	Surface mount directly to wall

### KA-DGR



## Audio Door Stations



**AX-DM**  
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**IF-DA**  
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**IE-JA**  
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**IE-SS/A**  
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**IE-SSR**  
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**Features** (AX-DM)  
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**Specifications** (AX-DM)  
See page 66

**Features** (IE Series Door Stations)  
See page 75

**Specifications** (IE Series Door Stations)  
See page 75

## Auxiliary Light Control Relay



**MAW-B**  
Auxiliary Light Control Relay

### Features

- Used for turning on an auxiliary light to spotlight a caller at the entrance
- Light is illuminated when the door call button is pushed and during visual monitoring mode

### Specifications

Power Source	Supplied by Master Station
Contact Rating	Dry closure contact for general lighting of less than 100W

### MAW-B

