Identify Widely

AIPHONE JK Series

Wide and Zoom & PanTilt Hands-free Color Video Intercom
Change the Field of Vision for Added Security.

The advanced camera and monitor of the JK series expand your field of vision. Enjoy a wide angle view with clear image quality.

About twice as wide as our conventional series!

Panoramic Wide Angle View

To provide effective security, JK series features a wide angle camera that enables you to see the innovative panoramic view! People standing on sides and people with short/tall heights can be easily identified.

With the wide angle view, the JK series catches a person in a wheelchair, even someone who tries to hide from the camera, etc.

Airphone’s newly developed fish-eye lens adjusts to encompass a broad view!
2 Types of Inside Station

JK-1MD
Master station w/Wide and Zoom & PanTilt color monitor
Only 27mm

JK-1MED
Master station w/Wide and Zoom & PanTilt color monitor & built-in picture memory.
Only 27mm

Zoom & PanTilt

Zoom
To see the detail, switch the picture mode to Zoom mode. Switching between Wide and Zoom mode can be easily done by pressing a button.

WIDE MODE
ZOOM MODE

PanTilt
Use the PAN/TILT button to change the camera angle in Zoom mode.

Recording & Playing
With JK-1MED, you can record pictures of visitors both manually and automatically.

Automatic Recording
Works anytime, even during your absence. The recording starts when the CALL button on the Door Station is pressed.
Records 6 shots per picture (3 shots at the Zoom mode, and 3 at Wide with the initial setting). Up to 40 pictures can be recorded, and 10 can be protected from automatic overwriting.

3 shots at the Zoom mode
3 shots at the Wide mode

Manual Recording
Record picture as you need. The recording starts when you press the REC button while monitoring or talking to a visitor.

Playing
The play LED flashes when there are auto-recorded pictures. Press the PLAY button to play.

Quick & Easy set up
Setting up is easy for anyone. Just follow the menu displayed on the monitor.

Select from five different display languages
Choose from English, French, Dutch, Spanish, and Italian.

Backlight & Night Sensitivity Adjustment
With the JK series, you do not have to worry about strong sunlight or darkness of night. Pressing the ADJUST button can make the view clearer.

Day time with strong backlight
Before adjustment
After adjustment
Clear

Night time with low light
Before adjustment
After adjustment
Clear

Preset the best camera angle!
You may find the default camera angle for receiving visitor images is not the best for your entrance condition. If so, you can adjust and set the camera angle.

Shutter speed control function
The JK series automatically controls the shutter speed to provide the best image in any light condition. In low light situations, the shutter speed slows to provide more light.

Master station w/Wide and Zoom & PanTilt color monitor & built-in picture memory.

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**Entrance Monitoring**

Monitor the area around the Door Station in both Wide and Zoom modes. To ensure privacy, inside sound is not transmitted to the Door Station.

**Advanced Night Security**

- **Clear identification even at night:** When a call is received at night, the LED on the Door Station lights up automatically to send clear color image to the monitor.
- **Monitoring & Speaking to the entrance:**
  - For monitoring, the LED does not light up, so you can monitor without being noticed by the people around the entrance. Pressing the TALK button lights up the LED and allows you to speak to the entrance area.
  - If you hear strange noises, the LED light indicates who is speaking.
- **Easy operation:**
  - With the icons for the buttons and display, you intuitively know how to operate.
  - The LED light turns on when you talk and turns off as you listen.

**Other Features**

- **Hands-free & Press-to-talk communication:** When a call comes in, press the TALK button to begin a hands-free conversation. In a noisy environment, the press-to-talk mode provides a clear conversation.
- **Room-to-room communication:** By adding the optional Sub Master Station or Audio Sub Master Station, you can talk between 2 Master Stations.
  - Turn the TALK button, the LED lights up on the JK-1MED.
- **External sensor input is available:** Notify the activation of external sensor with alarm, LED, and display. The warning screen is only displayed on the JK-1MED.
- **Video signal can be output from the Master Station:** To DVR, video recorder, etc.

**3 Types of Door Station**

Select the Door Station that best meets your needs.

**JK Series**

- **JK-1SD:** Wide and Zoom & PanTilt color monitor, etc.
  - Sub master station
  - Master station w/Wide and Zoom & PanTilt color monitor
  - Easy operation
  - Hands-free & Press-to-talk communication
  - Video signal can be output from the Master Station.

- **JK-1MD:** Wide and Zoom & PanTilt vandal-resistant video door station, surface mount
  - Audio sub master station
  - Master station w/Wide and Zoom & PanTilt color monitor

- **JK-1HD:** Wide and Zoom & PanTilt video door station, surface mount
  - Audio sub master station
  - Master station w/Wide and Zoom & PanTilt color monitor

**System Standard JK-1MD**

- **Door station:** JK-DVF Wide and Zoom & PanTilt vandal-resistant video door station, flush mount
- **Master station:** JK-1MD Master station w/Wide and Zoom & PanTilt color monitor
- **Sub master station:** JK-1HD Audio sub master station

**Optional Access Control**

- **AC-105/AC-105A:** Access control keypad, surface mount
- **AC-105B:** Access control keypad, flush mount
- **AC-180:** Access control keypad, surface mount
**UNIT DIMENSIONS (mm)**

**WIRING & CABLE**

- JK-1MED / JK-1MD: Four conductors Monitor to Monitor Wiring
- Recommended: 2-conductor, PVC jacket with PE (polyethylene) insulated conductor.
- Never use individual conductors, twisted pair cable or coaxial cable.

**POWER SOURCE**
- Power source: 18V DC

**POWER SUPPLY**
- PS-1820, PS-1820UL, PS-1820, PS-1810 DIN
- Maximum: 400mA (JK-1ME, JK-1MD), 200mA (JK-1HD), 120mA (JK-1SD), 95mA (JKW-BA)

**CALLING**
- Chime, Image & audio, approx. 45 sec.
- Approx. 1 min. (AUTOMATIC: Hands-free), To activate, momentarily press TALK button.
- Approx. 1 min. (MANUAL: Press-to-talk, Release-to-listen), To activate, press TALK button for 1 sec. or more.

**COMMUNICATION**
- Automatic (Hands-free): To activate automatically, momentarily press TALK button.
- Manual (Press-to-talk, Release-to-listen): To activate, press TALK button for 1 sec. or more.

**VIDEO MONITOR**
- 3.5 inch direct-view TFT color LCD

**SCANNING LINE**
- 525 lines

**VIDEO OUTPUT**
- NTSC, 1Vp-p/75 Ω

**NIGHT VIEWING**
- Up to 50cm from camera (5 Lux), with white LED projected, background beyond 50cm cannot be seen.

**DOOR RELEASE**
- 24V AC/DC, 500mA (N/O dry closure contact)
- 24V AC/DC, 1.6A (N/O dry closure contact)

**WIRING DISTANCE**
- Door to master: 2-cond., PVC jacket with PE (polyethylene) insulated conductor.
- Master to sub: 2-cond., PVC jacket with PE (polyethylene) insulated conductor.
- Master to IER-2: 2-cond., PVC jacket with PE (polyethylene) insulated conductor.
- Master to IER-2: 2-cond., PVC jacket with PE (polyethylene) insulated conductor.

**SPECIFICATIONS**

- Power source: 18V DC
- Power supply: PS-1820, PS-1820UL, PS-1820, PS-1810 DIN
- Maximum: 400mA (JK-1ME, JK-1MD), 200mA (JK-1HD), 120mA (JK-1SD), 95mA (JKW-BA)
- Calling: Chime, Image & audio, approx. 45 sec.
- Communication: Approx. 1 min. (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.

**WIRING & CABLE**

- JK-1MED / JK-1MD: Four conductors Monitor to Monitor Wiring
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**CAMERA POSITION & IMAGE VIEW AREA**

**JK-DA, JK-DV, JK-DVF**

(WIDE)

(ZOOM & PanTilt)

Mounting height 150cm

Mounting height 130cm

Mounting height 105cm

Mounting height 85cm

Mounting height 60cm

Mounting height 45cm

Mounting height 30cm

Mounting height 15cm

Mounting height 10cm

Mounting height 5cm

Mounting height 0cm

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Hands-free communication is activated by automatic voice switching circuitry, which may cause intermittent audio by the environmental noise level of either inside stations.

The image on the monitor is simulated.