HANDS FREE COLOR VIDEO INTERCOM MASTER MONITOR STATION
INTERPHONE VIDEO COULEUR MAINS LIBRES MONITEUR MAÎTRE
HANDENVRIJE KLEURENVIDEOFONIE MONITOR-HOOFDPOST
**PRECAUTIONS**

**WARNING**

*(Negligence could result in death or serious injury.)*

1. High voltage is present internally. Do not open the case. Electric shock could result.
2. Do not dismantle or alter the unit. Fire or electric shock could result.
3. Do not connect any non-specified power source to the +, - terminals. Also, do not install two power supplies in parallel to a single input. Fire or damage to the unit could result.
4. Keep the unit away from water or any other liquid. Fire or electric shock could result.
5. Do not put any metal or flammable material into the unit through the openings. Fire or electric shock could result.
6. Do not use power supply with a voltage other than specified. Fire or electric shock could result.
7. Do not connect any terminal on the unit to an AC power line. Fire or electric shock could result.

**CAUTION**

*(Negligence could result in injury to people or damage to property.)*

1. Do not install or make any wire terminations while power supply is plugged in. It can cause electrical shock or damage to the unit.
2. Before turning on power, make sure wires are not crossed or shorted. If not, fire or electric shock could result.
3. When mounting the unit on a wall, install the unit in a convenient location, but not where it could be jarred or bumped. Injury could result.
4. For power supply, use Aiphone power supply model or model specified for use with system. If non-specified product is used, fire or malfunction could result.
5. Do not install the unit in any of the following locations. Fire, electric shock, or unit trouble could result.
   * Places under direct sunlight or places near heating equipment that varies in temperature.
   * Places subject to dust, oil, chemicals, etc.
   * Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
   * Places where the temperature is quite low, such as inside a refrigerated area or in front of an air conditioner.
   * Places subject to steam or smoke (near heating or cooking surfaces).
   * Where noise generating devices such as dimmer switches or inverter electrical appliances are close by.
   * Do not install the unit in locations subject to frequent vibration or impact.
6. Do not put anything on the unit or cover the unit with cloth, etc. Fire or unit trouble could result.
7. Do not press on the LCD or subject it to a high impact. The LCD glass could be punctured and result in an injury.
8. If the LCD is punctured, do not allow skin contact with the liquid crystal inside. Inflammation could result.
   * If liquid crystal is ingested, immediately gargle with water and seek medical attention.
   * If contact with the eyes or skin occurs, clean with pure water for at least 15 minutes and seek medical attention.

**General Precautions**

1. Keep the unit more than 1 m away from radio or TV set.
2. This unit is for indoor use only. Do not use outdoors.
3. In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
4. As to other manufacturer's devices (such as sensor, detectors, door releases) used with this system, comply with the Specifications and Warranty conditions that the manufacturers or vendors present.
5. Keep the intercom wires at least 30 cm (12") away from AC 100-240 V lines. Noise and malfunction could result.
6. If the unit is down or does not operate properly, unplug the power supply or turn off the JK-1MED and JK-1HD (JK-1SD) POWER switches.
7. The unit is for wall-mount use only. For desktop applications, use desk stand.
8. When wall-mounted, the top of the unit may darken. This does not indicate a malfunction.
9. The unit case may become warm with use, but this is not a unit malfunction.
10. If a cellular phone is used close by, the unit may malfunction.
11. The LCD panel is manufactured with very high precision techniques. Small portions of the panel may fail to light up or some portions may be constantly lit, but this does not indicate a unit malfunction. Please be aware of this in advance.
12. Refrain from using the color monitor station in sunlit areas.
13. At night, due to reduced lighting on the object, the monitor sees more noise and the face becomes more difficult to see, but this is not malfunction.
14. Talk within 50 cm (20") or less from the unit. If you stand too far away, it may be difficult for the other person to hear the communication.
15. If there are loud noises around the unit (such as music playing or children crying), the sound may break up and be difficult to hear.
16. During communication, if you speak before the other person has finished talking, your voice may not come through clearly. Communication will proceed smoothly if you wait until the other person has finished before speaking.
17. At a gate or porch illuminated by a fluorescent lamp, the picture may vary, but this is not a malfunction.
18. When outside temperature lowers sharply after rainfall, etc., the inside of the camera may fog up slightly, causing a blurry picture, but this is not a malfunction. Normal operation will be restored when moisture evaporates.
19. Due to the environmental sound around the unit, it may hinder smooth communication, but this is not a malfunction.
20. If the screen of a video door station freezes during wintertime, the picture may become difficult to see or the CALL button may not move, but this is not a malfunction.
21. If the screen of a video door station freezes during wintertime, the picture may become difficult to see or the CALL button may not move, but this is not a malfunction.
22. Aiphone assumes no responsibility for corruption of saved information (such as changes to or deletion of saved information). Please be aware of this in advance.
23. This unit is not compatible with JA, JF, KB, and KC series units.
24. Warm-color lighting shining on the door station may change the tint of the picture on the monitor.

**PACKAGE CONTENTS**

- JK-1MED
- Mounting screws x 2
- Wood mounting screws x 2
- Option connector
- Installation & Operation manual
2 INSTALLATION

2-1 Mounting locations

1 Install the master monitor station in a place where the screen is not exposed to direct sunlight.

2 The master monitor station has switches on both sides. Allow at least 5 cm (2") of open space on either side.

3 Allow at least 15 cm (6") of vertical open space from the center of the mounting bracket in order to mount the master monitor station.

2-2 Wiring method, wiring distance

Wire the units from station-to-station (daisy-chained).

2-3 Cable

1 Use PVC jacket with PE (polyethylene) insulated cable

2 Never use individual conductors, twisted pair cable or coaxial cable.

3 When using a cable with unused conductors, terminate both ends of the unused pair(s) with a 120 Ω resistor.
3 WIRING

Insert wires securely into each terminal as shown.

**Video door station**

**Master monitor station**

Optional call extension speaker

IER-2

Presence of sound from IER-2

<table>
<thead>
<tr>
<th>Item</th>
<th>Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chime tone from door station (8-1)</td>
<td>⊗</td>
</tr>
<tr>
<td>Alarm sound during external sensor input (8-15)</td>
<td>⊗</td>
</tr>
<tr>
<td>Audio during instant voice call (8-1)</td>
<td>–</td>
</tr>
<tr>
<td>Chime tone during room-to-room communication (8-4)</td>
<td>–</td>
</tr>
</tbody>
</table>

NP: Non-polarized
P: Polarized

Door release

An EL-12S (AC 12 V 0.125 A, DC 12 V 0.2 A) or equivalent part and a separate AC transformer are required.
Run separate cables for audio/video and door release.
Door release contact: AC/DC 24 V, 0.5 A (Minimum Contact : 100 mV DC, 0.1 mA)
(N/O dry closure contact L, L).
Sub master monitor station

JK-1HD

When the JK-1HD is connected, split power between the master station and the sub master station if radio signals are picked up during communication.

JK-1MED

To optional units

JK-1SD

Audio only sub master station

Option connector: Control external devices connected with the option connector.

- VIDEO SIGNAL OUTPUT -

1. Video signal output: Video can be output to DVR, etc.

2. Options output

3. External sensor input settings are required.

External sensor input specifications

- DETECTION CONFIRMATION TIME -

4. Terminal short current

5. Voltage between terminals

Optional long distance adaptor JKW-BA

Use the long distance adaptor JKW-BA within the distance ranges shown in the table when the wiring distance between the door station and the furthest inside unit is longer than the distance in 2-2 on p. 3.

<table>
<thead>
<tr>
<th></th>
<th>Ø 0.65 mm</th>
<th>22 AWG</th>
<th>Ø 1.0 mm</th>
<th>18 AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100 m</td>
<td>330</td>
<td>200 m</td>
<td>650</td>
</tr>
<tr>
<td>B</td>
<td>50 m</td>
<td>165</td>
<td>100 m</td>
<td>330</td>
</tr>
<tr>
<td>C</td>
<td>50 m</td>
<td>165</td>
<td>100 m</td>
<td>330</td>
</tr>
<tr>
<td>D</td>
<td>5 m</td>
<td>16</td>
<td>10 m</td>
<td>33</td>
</tr>
</tbody>
</table>
4 MOUNTING

Back wiring

1. Press RELEASE button (to insert or remove the wire).
2. Insert the cable into the terminal.

Surface wiring
* When a 1-gang box is not mounted, the cable can be routed as surface wiring to the top or bottom of the unit. Cut a cable inlet on the upper part of the unit to allow passage of the wiring into the unit.

Surface wiring
* To pass the cable through the back of the unit, cut out the cable inlet.

5 NAMES

JK-1MED

Color LCD video monitor
Microphone

Play LED (red)
PLAY button

Record LED (red)
RECORD button

POWER switch

Speaker

Door release LED (red)
DOOR RELEASE button

Menu LED (red)
MENU button

PAN/TILT button

ZOOM/WIDE button

ADJUST button

CALL button

Option button (*)

Transmit LED (red)

TALK button

OFF button

MONITOR button

(*) The option button controls connected option units such as turning lighting on and off and activation of added door releases.
6 OPERATING METHOD

To operate this unit, check the symbol and then press the appropriate operation button. This is not a touch-panel operation.

⚠️ Do not press on the LCD or subject it to high impact. The LCD glass could break which could result in an injury.

Symbol
The symbols differ according to the symbol screen.

Operation buttons:
Press to select the symbol that is displayed on the screen.
* The name of the operation button may differ from the name of the symbol.

To operate a symbol, press the operation button that is below the symbol.

Example: To activate manual recording, press REC button below the symbol.

※ In the manual, an explanation is given using the REC button ( ).

Setting can also be done by pressing ZOOM/WIDE button.

7 SETTING UP

⚠️ Upon initial installation, set the time first. If the unit is used without setting the time, the menu LED (red) will light up as notification.

When power has not been supplied for at least 3 hours, the time setting will return to the initial setting and the menu LED may flash. Reset the time again.

If there are no operations for approximately 1 minute during the setup mode, the setting will end automatically. If the settings are incomplete, start again from the beginning.

7-1 Setting screens and display methods

1 In the standby mode, press MENU button until the setting screen is displayed (approximately 1 second).

2 Press ▲ button or ▼ button to select "INITIAL SETTING", and press MENU button ( ).

3 Press ▲ button or ▼ button to select the item you want to set or check, and set with the MENU button ( ).

4 When completing the time setting, press OFF button to return to the standby mode. In other cases, set by pressing MENU button ( ). Press REC button ( ) to cancel the setting and return to the previous screen.

Main symbols and function descriptions

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Function description</th>
</tr>
</thead>
<tbody>
<tr>
<td>◎</td>
<td>To manually record.</td>
</tr>
<tr>
<td>◎</td>
<td>To return to the screen of the previous operation.</td>
</tr>
<tr>
<td>◎</td>
<td>To display the previous (more recent date) picture.</td>
</tr>
<tr>
<td>◎</td>
<td>To display the recorded pictures.</td>
</tr>
<tr>
<td>◎</td>
<td>To display the next (older date) picture.</td>
</tr>
<tr>
<td>◎</td>
<td>To save or erase an image.</td>
</tr>
<tr>
<td>◎</td>
<td>To erase a recorded image.</td>
</tr>
<tr>
<td>◎</td>
<td>To fast forward the play screen.</td>
</tr>
<tr>
<td>◎</td>
<td>To pause the play screen.</td>
</tr>
<tr>
<td>◎</td>
<td>To advance the play screen frame by frame.</td>
</tr>
<tr>
<td>◎</td>
<td>To reverse the play screen frame by frame.</td>
</tr>
<tr>
<td>◎</td>
<td>To erase the display.</td>
</tr>
<tr>
<td>◎</td>
<td>To save recorded pictures.</td>
</tr>
</tbody>
</table>

※ Setting can also be done by pressing ZOOM/WIDE button.
7-2 SELECT THE LANGUAGE

1. After performing steps 1 and 2 in section 7-1, select "LANGUAGE" in the "INITIAL SETTING" screen and press MENU button ( ).

2. In the "SELECT THE LANGUAGE" screen, press A, V, <, and > buttons to select the language.

3. Press MENU button ( ) to complete the settings and return to the "INITIAL SETTING" screen.

7-3 SET THE DATE/TIME

1. After performing steps 1 and 2 in section 7-1, select "DATE/TIME" and press MENU button ( ).

2. In the "ADJUST DATE/TIME" screen, press A button or V button to select the "Month".

3. Pressing > button sets the "Month" and moves the cursor to "Day".

4. Perform the same steps to set "Day", "Year", "Hour" and "Minute".

5. After setting "Minute", press MENU button ( ) to complete the settings.

6. Press OFF button to return to standby mode.

- 1. If there are no operations for approximately 1 minute during the setup mode, the setting will end automatically. If the settings end while incomplete, start again from the beginning.

- 2. A maximum error of ± 60 seconds can occur in the displayed time over a month. Periodically adjusting the time setting is recommended.

- 3. When power is not supplied to the unit for a long time, the time returns to its initial setting of "JAN/01/2009 00 : 00", and the menu LED (red) will flash as a notification. Reset the time.

NOTES: Operations for setting numbers
- A button (press once): The date/time increases by one.
- V button (press once): The date/time decreases by one.
- A button (press once): The cursor moves to the right.
- V button (press and hold for 1 second or more.): The date or time increases in succession.
- A button (press and hold for 1 second or more.): The date or time decreases in succession.
- MENU button: Confirm the setting.

7-4 SELECT CALL TONE

The chime tone for the video door station can be selected from 4 sound types. The initial setting is 1.

1. After performing step 1 in section 7-1, select "CALL TONE" and press MENU button ( ).

2. In the "SELECT CALL TONE" screen, press A button or V button to select the desired chime tone. The selected chime tone sounds, enabling you to check the sound.

3. Press MENU button ( ) to complete the settings and return to the "SETTING" screen. Press REC button ( ) to cancel the setting and return to the previous screen.
7-5 EXTERNAL INPUT SETTING

When optional units operate (for example, when a sensor is activated or call button is pressed), the master monitor station and sub master station will receive an alert sound. Also, when notification at door is enabled, the door station also receives an alert sound.

⚠️ These operations must be performed by an installer. Please do not change these settings yourself.

7-5-1 Setting the optional units detection method.

Initial setting: NO

1 After performing steps 1 and 2 in section 7-1, select "EXT. INPUT" and press MENU button (③).

2 In the "EXTERNAL INPUT SETTING" screen, press ▲ button and ▼ button to select "DETECTION METHOD" and press MENU button (③).

3 In the "EXTERNAL INPUT DETECTION METHOD" screen, press ▲ button or ▼ button to select the detection method.
   - NC: dry closure contact input
   - NC: dry closure contact input
   - NC: External input disabled

4 Press MENU button (③) to complete the settings and return to the previous screen.

7-5-2 Setting the alert sound time.

Initial setting: Notification at door disabled/alert sound is 30 sec.

1 In the "EXTERNAL INPUT SETTING" screen, press ▲ button or ▼ button to select "NOTICE AT DOOR [1]" and press MENU button (③).

2 In the "NOTIFICATION AT DOOR SETTING" screen, press ▲ button or ▼ button to select the "Notification method".
   - DISABLE 30SEC: Notification at door disabled/alert sound is 30 sec.
   - DISABLE CONT.: Notification at door disabled/alert sound is continuous
   - ENABLE CONT.: Notification at door enabled/alert sound is continuous

3 Press MENU button (③) to complete the settings and return to the previous screen. Press REC button (③) to cancel the setting and return to the previous screen.

7-6 Setting communication time

Select the door station communication time from "1 min.", "2 min.", "3 min.", and "5 min.". Communication time initial setting: "1 min."

1 After performing step 1 in section 7-1, select "COMMUNICATION" and press MENU button (③).

2 In the "COMMUNICATION SETTING" screen, press ▲ button or ▼ button to select "COMM. TIME" and press MENU button (③).

3 In the "COMMUNICATION TIME-OUT SETTING" screen, press ▲ button or ▼ button to select the communication time.

4 Press MENU button (③) to complete the settings and return to the previous screen. Press REC button (③) to cancel the setting and return to the previous screen.
7-7 Automatic night volume adjustment

This automatically lowers the communication volume at the door station only at night. Initial setting: "Disabled"

1 After performing step 1 in section 7-1, select "COMMUNICATION" and press MENU button ( ).

2 In the "COMMUNICATION SETTING" screen, press button or button to select "NIGHT VOLUME" and press MENU button ( ).

3 In the "NIGHT TIME DOOR VOLUME CONTROL" screen, press button or button to select "ENABLE".

4 Press MENU button ( ) to complete the settings and return to the previous screen.

Press REC button ( ) to cancel the setting and return to the previous screen.

NOTES: Distinguishing between day and night is automatically done by the door station.

7-8 Restore default setting

All settings can be restored to their condition at the time of purchase.

⚠️ 1. Recorded pictures are erased and settings are reset.

⚠️ 2. Pre-set functions (section 8-7) are not reset.

Settings reset with "RESTORE DEFAULT SETTING"

<table>
<thead>
<tr>
<th>Setting name</th>
<th>Available setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>JAN/01/2009 00:00</td>
</tr>
<tr>
<td>Language</td>
<td>ENG FRA ITA DUT SPA</td>
</tr>
<tr>
<td>Door station chime tone</td>
<td>1 (Tone 1) 2 (Tone 2) 3 (Tone 3) 4 (Tone 4)</td>
</tr>
<tr>
<td>Communication time</td>
<td>1 min. 2 min. 3 min. 5 min</td>
</tr>
<tr>
<td>Automatic night volume</td>
<td>Enable Disable</td>
</tr>
<tr>
<td>adjustment</td>
<td></td>
</tr>
<tr>
<td>External input</td>
<td>Detection N/O N/C Disable</td>
</tr>
<tr>
<td>Notification at door</td>
<td>OFF OFF ON</td>
</tr>
<tr>
<td>Sound time</td>
<td>30 sec Continuous Continuous</td>
</tr>
<tr>
<td>Press-to-talk setting</td>
<td>Enable Disable</td>
</tr>
<tr>
<td>Recording Pictures</td>
<td>- All saved pictures are erased.</td>
</tr>
<tr>
<td>Screen</td>
<td>- Zoom x 3, Wide x 3</td>
</tr>
<tr>
<td></td>
<td>- Wide x 3, Zoom x 3</td>
</tr>
<tr>
<td></td>
<td>- Zoom x 6</td>
</tr>
<tr>
<td></td>
<td>- Wide x 6</td>
</tr>
</tbody>
</table>

* are initial views

1 After performing steps 1 and 2 in section 7-1, select "INITIALIZE" with or and press MENU button ( ).

2 In the "INITIALIZE" screen, press MENU button (YES) (approximately 1 sec.) to initialize. Press REC button (NO) to cancel initialization and return to the "MENU" screen.

3 4 LEDs light up during initialization. The screen goes out when initialization is complete. (The menu LED flashes)
7-9 Press-to-talk setting

This disables the press-to-talk setting during communication with a door station (section 8-1).
Initial setting: ON (press-to-talk enabled)

1 After performing step 1 in section 7-1, select "COMMUNICATION" and press MENU button ( ).

2 In the "COMMUNICATION SETTING" screen, press ▲ button or ▼ button to select "ALLOW PTT" and press MENU button ( ).

3 In the "PTT SETTING" screen, press ▲ button or ▼ button to select ON or OFF.

4 Press MENU button ( ) to complete the settings and return to the "COMMUNICATION SETTING" screen.

7-10 Setting picture recording

During automatic recording, select the recording method for recording pictures (up to 6 for each image) from the following four types. The initial setting is for the first three pictures to be zoom pictures at a pre-set position, and for the next three pictures to be wide pictures.

1 After performing step 1 in section 7-1, select "PICTURE MEMORY" and press MENU button ( ).

2 In the "PICTURE MEMORY SETTING" screen, press ▲ button or ▼ button to select the recording method.

3 Press MENU button ( ) to complete the settings and return to the "SETTING" screen. Press REC button ( ) to cancel the setting and return to the previous screen.
8-1 Answering a door call (HANDS-FREE mode, PTT mode)

1. Press CALL button.

2. Chime tone sounds, caller is seen on video monitor, and outside sound is heard.
   - Audio and video turns off after approximately 45 seconds if not answered.

3. Press \( \text{TALK} \) button momentarily, and after the beep, communicate hands free. Transmit LED (red) lights when you talk, and goes off as you listen to caller (or hear outside sounds).

4. After finishing communication, pressing \( \text{OFF} \) button and communication will end after the beep.

NOTES:
1. Communication (video) ends automatically according to the set communication time. (Refer to section 7-6)
2. The Transmit LED will light up and go out, but this is not a malfunction.

\( \text{PTT mode} \)

3. Press and hold \( \text{TALK} \) button for at least 1 second. A beep sounds, and after approximately 1 second another beep sounds, which indicates PTT mode is engaged. If \( \text{TALK} \) button is pressed briefly (less than 0.5 seconds), PTT mode will not be engaged.

4. When communicating, keep \( \text{TALK} \) button pressed. To hear the caller’s voice, release \( \text{TALK} \) button.

5. After finishing communication, press \( \text{OFF} \) button and communication will end after the beep.

NOTES: When press-to-talk is disabled, PTT mode cannot be used.

8-2 Activating door release

1. Press \( \text{DOOR RELEASE} \) button.

2. Open door while the release mechanism is activated. During release: The door release LED (red) lights.

NOTES:
1. The screen display will switch automatically according to the picture recording settings (section 7-10).
2. Even if the screen display changes, \( \text{ZOOM/WIDE} \) button (section 8-5) can be used to change the display.
3. When \( \text{TALK} \) button is pressed momentarily and communication starts, the screen display will be held as is regardless of the picture recording settings.
8-3 Entrance monitoring

1. Press \( \text{MONITOR} \) button in the standby mode.

2. The video monitor displays the image from the door station and the incoming audio is heard. If you do not press \( \text{TALK} \) button, the caller will not hear sounds from the inside station.

3. Press \( \text{OFF} \) button to end communication.

NOTES: 1. To talk to the visitor during entrance monitoring, momentarily press \( \text{TALK} \) button. This allows communication with the entrance.
2. The entrance monitoring turns off automatically after approximately 1 minute. To monitor the entrance again, repeat from the beginning.
3. During entrance monitoring, the entrance monitoring time can be extended by approximately 1 min. by pressing \( \text{MONITOR} \) button again.
4. During entrance monitoring, the display uses a wide picture display. If the \( \text{ZOOM/WIDE} \) button is pressed, the display changes to the zoom picture.
5. At night, the Illuminator LED will not light up until \( \text{TALK} \) button is pressed.
6. If another inside unit attempts to perform entrance monitoring while one inside unit is already doing so, a warning beeping sound will occur.

8-4 Room-to-room communication

1. Press \( \text{CALL} \) button to talk with the other person.
   - A call-in is sent to the sub master station.
   - The reply of the other person is not heard.

2. If the other person presses \( \text{TALK} \) button, hands free communication is possible.

3. Press and release \( \text{OFF} \) button to end communication.

NOTES: 1. Room-to-room communication ends automatically after approximately 10 minutes. To perform room-to-room communication again, repeat from the beginning.
2. If a call is received from the entrance during room-to-room communication, the image from the entrance is displayed at the monitor station and sub monitor station where communication is taking place. Press \( \text{OFF} \) button to end the room-to-room communication, and press \( \text{TALK} \) button to switch to communication with the door station.

8-5 WIDE/ZOOM switching

1. Press \( \text{ZOOM/WIDE} \) button when a picture is displayed.
   - Switching between wide \( \rightarrow \) zoom occurs each time the button is pressed.

   [Wide picture] \[Zoom picture\]

NOTES: 1. When the caller is not shown in the center of the picture, the zoom picture can be moved up, down, left, and right. (Refer to section 8-6)
2. When the display changes from the wide picture to the zoom picture, the zoom picture starts at the pre-set (section 8-7) position.

⚠️ The wide picture may be distorted in comparison with the zoom picture due to the characteristics of the door station camera, but this is not a malfunction.
8-6 Pan/tilt operation

1 When a zoom picture is displayed, press ▲, ▼, ◄, or ► button.
   - ▲: Up
   - ▼: Down
   - ◄: Left
   - ►: Right
   - Moving diagonally is also possible.

   ![Pan/tilt operation diagram]

   △ The image range of the zoom picture and wide picture differs. The edges of the wide picture do not display with the zoom picture.

8-7 Zoom Picture Pre-set

The picture can be set to display using a set zoom picture position for when a call is received from the door station. When switching from the wide picture to the zoom picture, the zoom picture displays starting from the pre-set position.

1 When a zoom picture is displayed, press ▲, ▼, ◄, or ► button.
   (Ex. Pressing ▲ button moves the picture up.)
   - While viewing the picture, set the desired picture position.

   ![Zoom Picture Pre-set diagram]

   NOTES: 1. To change the zoom picture position that has been set, perform the zoom position setting again. The previous setting will be overwritten.
   2. The zoom picture position set with the master monitor station will also be displayed at the sub monitor station.

8-8 Night illumination

At night, the door station Illuminator LED lights up during calling or communication.

8-8-1 When a call is made from the door station

1 If CALL button of door station is pressed

   ![Night illumination diagram]

   The Illuminator LED lights up.

2 When communication ends, the illuminator LED will go out.

8-8-2 Light up the Illuminator LED during entrance monitoring

1 When TALK button is pressed during entrance monitoring, communication starts and the Illuminator LED will light up.
   - Inside sound can be heard at the entrance.

   △ Communication starts at this time, so be aware that inside sound can be heard at the entrance.

2 When communication ends, the illuminator LED will go out.

   NOTES: Distinguishing between day and night is automatically done by the door station.
8-9 Backlight adjustment, Night sensitivity adjustment

To perform adjustment

1. Press \( \circ \) ADJUST button when the image is difficult to see.
   - Automatic adjustment to a more visible screen is performed. The adjust icon displays at this time.

Adjust icon (day)
Adjust icon (night)

To cancel adjustment

1. Press \( \circ \) ADJUST button during adjustment.
   - The adjust icon will disappear and the screen returns to the pre-adjustment screen.

NOTES:
1. Distinguishing between day and night is automatically done by the door station.
2. Pressing \( \circ \) ADJUST button at night makes the caller’s face easier to see, but moving subjects may be more difficult to see.

8-10 Automatic recording

If a call is received from a video door station, the unit starts recording automatically. The record LED (red) flashes during recording.

- Recording starts approximately 2 seconds after \( \circ \) CALL button of video door station is pressed. A maximum length of approximately 6 seconds (6 shots) can be recorded, with 1 picture and 1 shot for each second.
- A maximum of 40 images can be recorded (combined total of automatic recording and manual recording images).

NOTES:
1. The automatic recording function cannot be cancelled.
2. The recorded pictures are recorded using the method (section 7-10) that has been set. However, if switching between zoom and wide is performed during automatic recording, the displayed image will be recorded.
3. The picture during entrance monitoring is not automatically recorded. If you wish to record this screen, press rec button.

The initial setting is for recording to be done with the first three pictures as zoom pictures at a pre-set position, and the next three pictures as wide pictures.

1st shot
2nd shot
3rd shot
4th picture
5th picture
6th picture

8-11 Manual recording

1. Display a video image with an operation such as entrance monitoring.

NOTES:
1. Manual recording is not possible during automatic recording (for approximately 7 seconds after receiving a call from the door station).
2. After the end of automatic recording (approx. 7 seconds after receiving a call from the door station), recording of another image in addition to the automatically recorded image can be performed.
3. When manual recording, the displayed image is recorded.

2. Press \( \circ \) REC button ( ). The record LED (red) flashes (6 times) and recording starts.
   - A maximum length of approximately 6 seconds (6 shots) can be recorded, with 1 image and 1 shot for each second.
   - A maximum of 40 images can be recorded (combined total of automatic recording and manual recording images). When 40 images are exceeded, new images overwrite old images starting from the oldest recorded date.
8-12 Play recorded picture

If there are automatically recorded pictures, such as those taken while you were out, the play LED (red) flashes.

1. Press PLAY button in standby mode to display the picture with the most recent date. * displays on the screen when there are no recorded pictures.

The operation status displays:

- **Sequence number of image currently being displayed/total recorded images**
- **Displayed when image is unread.**
- **Displays when image is saved.**
- **Time and date of recording**

2. Press PLAY button ( ) on the play-waiting screen. The recorded image is played. When the play of one image ends, the next image is displayed.

3. To advance the play screen frame-by-frame, press PLAY button ( ) during playback to pause. The play moves forward frame-by-frame each time DOOR RELEASE button ( ) is pressed. When the frames of one image end, the next picture is displayed.

4. Press OFF button to end.

* In the manual, screen icons and button icons are explained together.

* In addition, the operations shown below are also possible in the play screen.

- REC button ( ): To display the previous (more recent date) picture. When the button is pressed for 1 second or more, during the time that the button is pressed the first picture only of the dates can be checked in succession, from older to more recent dates. (If REC button is pressed while the picture with the most recent date is displayed, the picture with the oldest date will display.)

- DOOR RELEASE button ( ): To display the next (older date) picture. When the button is pressed for 1 second or more, during the time that the button is pressed the first picture only of the dates can be checked in succession, in the direction of the older dates.

- MENU button ( ): To save or erase an image. (Refer to sections 8-13 and 8-14)

1. When there are multiple unread images, all images enter the “read” condition even if only one image is played, and the play LED goes off.

2. The recorded pictures are displayed in order based on the date set during recording.

8-13 Save recorded picture

10 images can be saved from the recorded images (maximum of 40 images). Saved pictures are not overwritten.

1. Display the picture that you want to save in the play-waiting screen. (Refer to section 8-12)

Press MENU button ( ) to display the save/erase selection screen.

2. Press PLAY button ( ). If the image is saved, the key symbol is displayed.

If the image has already been saved, the save is canceled. Each time PLAY button ( ) is pressed, the operation switches between save and cancel.

* In addition, the operations shown below are also possible during pause.

- REC button ( ): The play is reversed frame by frame each time the button is pressed. When the frames of one image end, the unit returns to the play-waiting screen.

- PLAY button ( ): To return to the play screen.

- MENU button ( ): Pressing the button displays the picture with the next oldest date in the play-waiting screen.

NOTES: 1. If there are no operations for at least approximately 1 minute, it will end automatically.

2. If a call is received from a door station during play, the chime tone sounds and the play is forcibly ended.

NOTES: 1. “CANNOT SAVE” is displayed if the number of possible saves is exceeded. Cancel unnecessary saved image.

2. Images that have had the save canceled are not erased, but they are overwritten if the number of recorded images is exceeded.
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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient or relocate the receiving antenna · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Increase the separation between the equipment and receiver. · Consult the dealer or an experienced radio/TV technician for help.

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