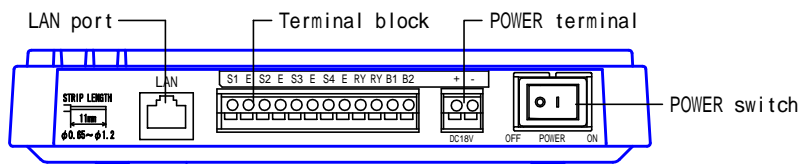
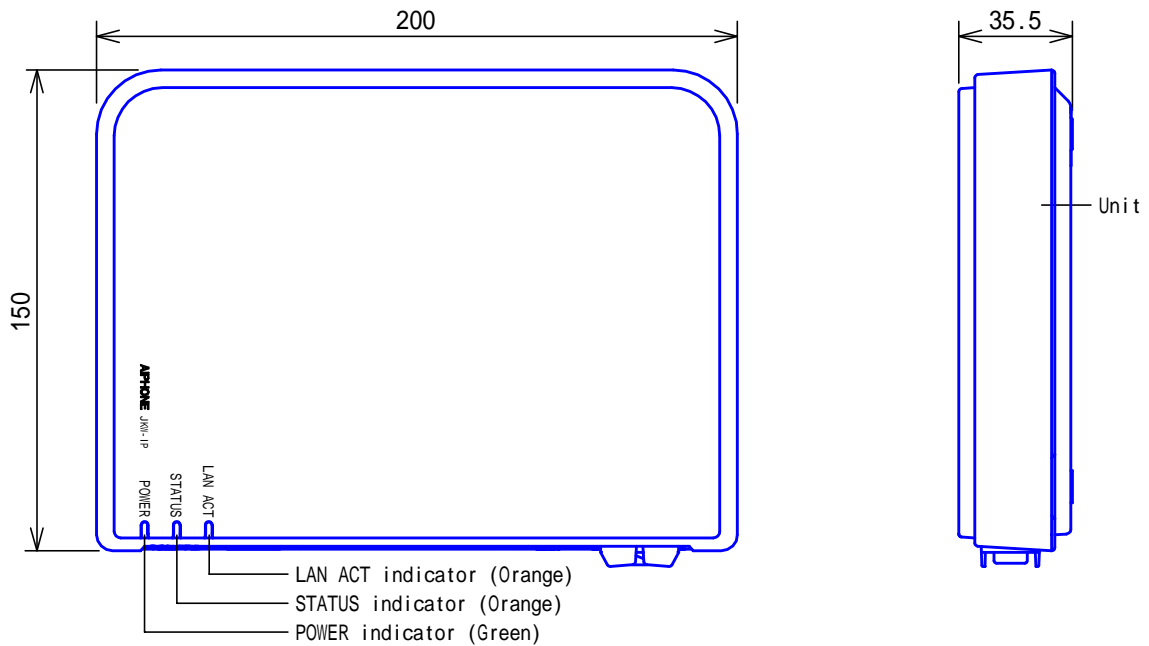
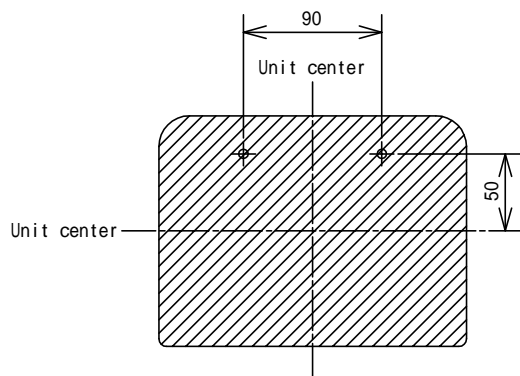


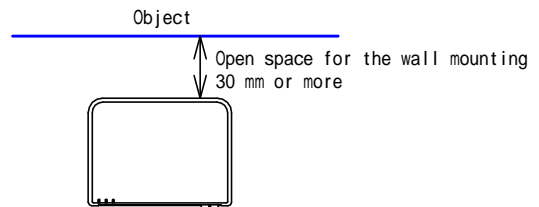
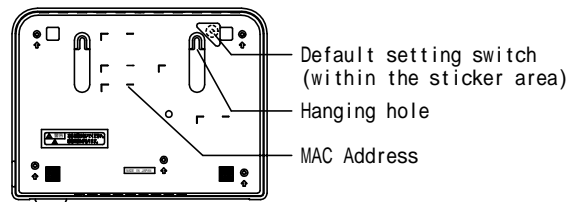
# PRODUCT DRAWING



## MOUNTING



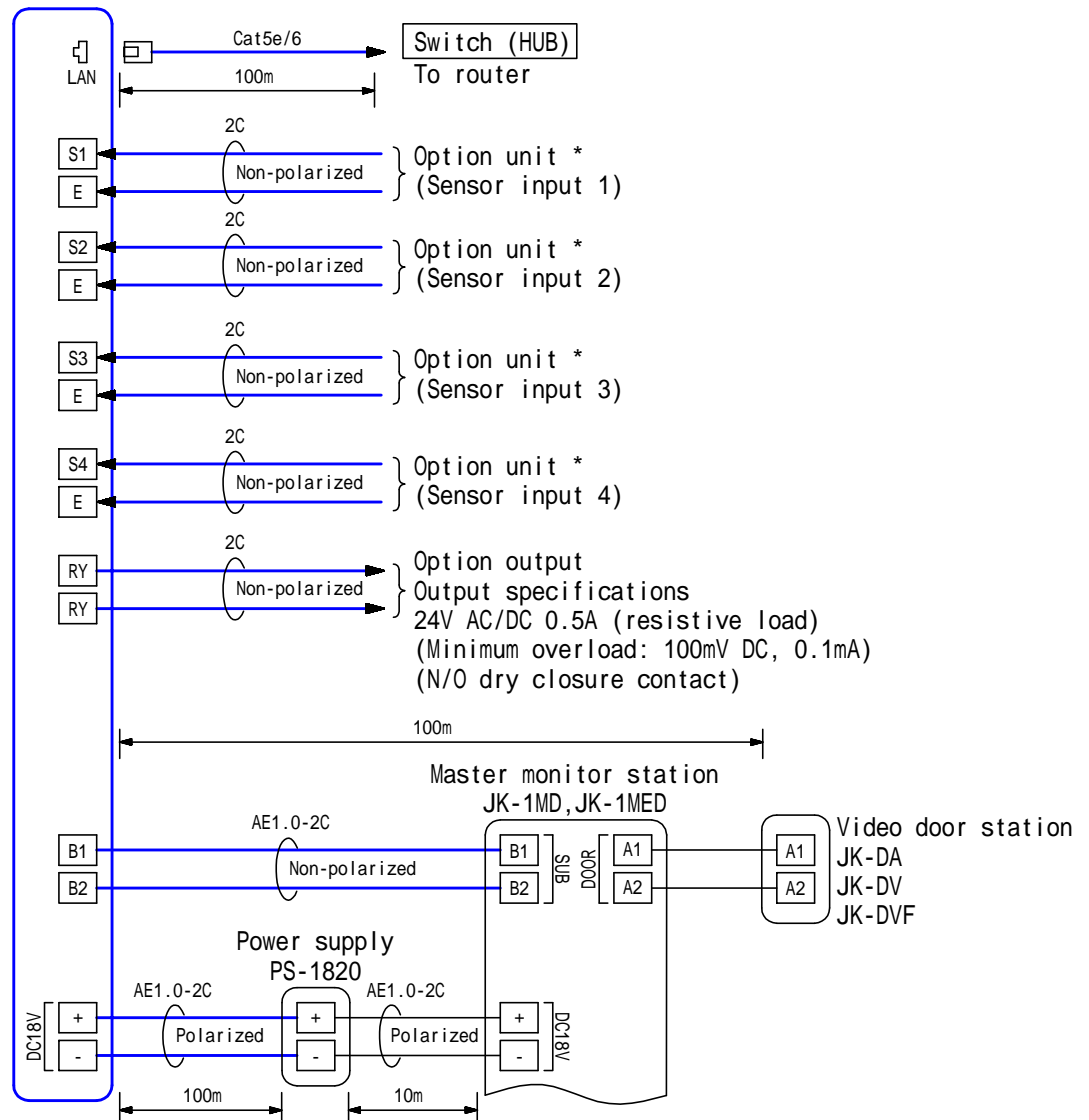
### (Back view)



DESCRIPTION <b>IP VIDEO INTERCOM ADAPTOR</b>	FIG. NAME <b>PRODUCT DRAWING</b>	UNIT mm	DATE 24 March, 2010
MODEL NO. <b>JKW-IP</b>	FIG.NO. 40792-1-5	PAGE 1/5	REVISION 1
			<b>AIPHONE</b>

# WIRING DIAGRAM

IP video intercom adaptor  
JKW-IP



\*. Input specifications

Input method	N/O or N/C dry closure contact (start signal only detection method)
Detection confirmation time	100 mSec or more
Contact resistance	During N/O dry closure: Less than 700 During N/C dry closure: At least 3 k
Terminal short current	Less than 10 mA
Voltage between terminals	Less than 20 V DC (when open between terminals)

DESCRIPTION IP VIDEO INTERCOM ADAPTOR	FIG. NAME WIRING DIAGRAM	UNIT mm	DATE 24 March, 2010
MODEL NO. JKW-IP	FIG.NO. 40792-2-5	PAGE 2/5	REVISION 1
			<b>AIPHONE</b>

## FUNCTIONS

Allows PC application, installed on the computer, to be used as JK sub master monitor station.  
 Sending Email to the computer or cell phone when a door call, sensor detection, or system start up.  
 Records operation log

### Operation at PC application

Calling from door station with video, call stand-by approx. 45 sec./Communication by clicking TALK button, communication time depends on the master monitor station settings/  
 Ending communication by clicking OFF button.

ZOOM & WIDE camera control by clicking ZOOM & WIDE button while monitor is on.

PanTilt camera control on ZOOM mode.

Backlight compensation by clicking ADJUST button while monitor is on.

(Low light compensation at night. Distinguishing between day and night is automatically done by the door station.)

Monitoring audio/video of door station, approx. 1 min. timed/Communication by clicking TALK button (White LED illumination at door station at night)

Press-to-talk communication, after depressing TALK button approx. 1 sec. or more

Room-to-room communication with master monitor station by clicking CALL button approx. 10 min.

- When selecting an adaptor, calling selected adaptor's master monitor station (selectable one adaptor only)

- Without adaptor selection, calling all master monitor stations.

(communicate with only one master monitor station which starts communication first)

Calling and communication from a master monitor station (Calls all PC applications)

Activating door strike by clicking "  " button.

Controls external device by clicking OPTION button.

### <Video/Audio recording>

#### Video recording

- Auto recording: Records images calling from video door station automatically/ snapshot or video mode (Stop recording by clicking (STOP) button or starting communication.)
- Manual recording: Records images from video door station manually (Click (Record) button)/ snapshot or video mode (Stop recording by clicking (STOP) button or ending monitoring/ communication.)

#### Audio recording

- Records audio with video simultaneously at Manual recording (Required settings; Picture Recording Mode is Video and Audio Recording mode is ON.)

Playback recorded image

DESCRIPTION <b>IP VIDEO INTERCOM ADAPTOR</b>	FIG. NAME <b>FUNCTIONS</b>	UNIT mm	DATE 7 May, 2012
MODEL NO. <b>JKW-IP</b>	FIG.NO. 40792-3-5	PAGE 3/5	REVISION 2
			<b>AIPHONE</b>

## RESTRICTION

Connectable master monitor station: JK-1MD or JK-1MED only  
System requirements of the computer

OS	Windows XP Home/Professional (SP3) Windows Vista Ultimate/Home/Business/Enterprise(SP1)/32-bit/64-bit Windows7 Home Premium/Professional/Enterprise/Ultimate/32-bit/64-bit
Computer requirements	Processor: 2 GHz or faster System memory (RAM): 1 GB RAM or more Hard disk: 10 MB or more (additional space is needed for recording) Sound card: 8 bit full duplex, Direct Sound compatible Display: 1024 x 768 or greater Run-time: Microsoft® .NET Framework 2.0 or later Network: 10BASE-T/100BASE-TX Ethernet
Protocol	TCP/IPv4, UDP/IPv4, SIP, Others
Network bandwidth	320 k to 8 Mbps (per adaptor)
Language	English, French, Spanish, German, Dutch, Italian, Japanese
Internet Explorer	Internet Explorer 6.0 or later (with Internet Option SSL 3.0 enabled)

Recommended to use a computer exceeding the above system requirements.

Not recommended to use a wireless LAN as it may not operate correctly due to security issues or communication speed delays.

Depending on the broadband router, it may not operate. Check our website (<http://www.aiphone.net/>) for a list of supported broadband routers.

Broadband connection is required over the Internet. Also, the broadband router needs a Static Global IP Address.

Depending on the network environment and computer, it may not be useable.

Audio and video may be delayed in the PC application due to encoding, decoding, or the network.

Depending on the network environment or the computer's performance, operations may not be carried out normally, such as interrupted audio or video, and delayed frame rate decrease.

The times for the master monitor station and the PC application are not synchronized.

Lip-sync is not performed for audio and video in the PC application.

The operation may become invalid when operating PC Application in succession.

Use a commercially available stand microphone and speaker, etc. to computer.

Select a USB interface when using a headset or handset.

Due to hands-free (VOX) communication method, simultaneous communication is not available even if headset is used.

The volumes of talk, call tone, and sensor detection tone vary depending on the PC Application settings, computer settings, and headset volume. Pay careful attention to the volume when monitoring or talking.

Instant voice call-in function is not available when called from door station.

Voice call-in function is not available at room-to-room communication.

## RESTRICTIONS ON WIRING

For wiring, it is recommended to use a single vinyl jacketed cable with PE(polyethylene) insulation.

The following cables can not be used;

- Coaxial cable
- Individual conductors
- Twisted pair cable
- Cable with conductors in odd number

PARALLEL CABLE



COAXIAL CABLE

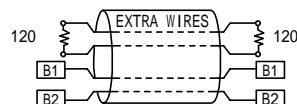


ODD NO. OF CONDUCTORS



Besides 2-conductor cable, when using a cable with extra wires, terminate with a 120 Ohm at both ends of an extra pair(s).

(Otherwise, the system does not operate properly, affecting seriously on communication).



Keep the intercom wires more than 30cm away from AC power lines.

(It causes noise in communication and malfunction) When using the existing cable run, the system may not work properly by type. In that case, it becomes necessary to install a new cable.

DESCRIPTION <b>IP VIDEO INTERCOM ADAPTOR</b>	FIG. NAME <b>RESTRICTION</b>	UNIT mm	DATE 7 May, 2012
MODEL NO. <b>JKW-IP</b>	FIG. NO. 40792-4-5	PAGE 4/5	REVISION 3 <b>AIPHONE</b>

## SETTING

### <Administrator Settings>

#### Administrator Registration

- Registers ID and Password for administrator

#### User Registration

- Registers ID and Password for users, max. 9 users

#### Email Setting (adaptor)

- Sets Email information to send Email from adaptor

#### Sensor input/Option output Setting

- Settings Sensor input (N.O. or N.C.) and Option output signal duration (0 to 600 sec.)

#### Network Settings

- Connection Settings, Connection Port, Update Encryption Key File, Adaptor Name, Adaptor Language, Video Setting

#### Log Downloading/Firmware Update

- Acquires an operation log (maintenance purpose) and update adaptor's firmware

### <User Settings>

#### Email Setting

- Setting Email address to receive (PDA, cell phone, etc.) and timing to send

#### Downloading and Setting the Encryption Key File

- Acquires the Encryption Key File from adaptor to secure operation of door release and option output.

### <PC Application Setting>

#### Volume Settings

- Setting the volume of microphone, speaker, and chime tone
- Setting sound device for chime tone

#### Preference Settings

- LANGUAGE, Event Action (Maximize Application (screen display), Balloon Notification, Sensor Detection Tone, and Call Tone), Picture Recording Mode, Max Recording Space, Auto Recording, Audio Recording

## SPECIFICATIONS

Power source	18V DC, Supplied from a power supply		
Power consumption	Standby: 110mA, Max: 200mA		
Mounting	Floor mount or surface wall mount		
Capacity	1 adaptor to 10 computers (PC applications) 1 computer (PC application) to 20 adaptors		
Image resolution	320 × 240		
Image Format	JPEG		
Network Interface	Ethernet (10BASE-T, 100BASE-TX)		
Network Protocol	TCP · UDP/IP, SIP		
Communication	Hands-free/Priority transmission		
Ambient temperature	0 ~ 40		
Housing	Fire-retardant ABS plastic		
Unit color	White (5Y9.3/0.1 Mussel Approximation)		
Weight	Approx. 370 g (0.82 lbs.)		
DESCRIPTION	FIG. NAME	UNIT	DATE
IP VIDEO INTERCOM ADAPTOR	SPECIFICATIONS/SETTING	mm	7 May, 2012
MODEL NO.	FIG.NO.	PAGE	REVISION
JKW-IP	40792-5-5	5/5	3
			<b>AIPHONE</b>