Installation Manual

IX-DVM (Video Door Station)

Introduction

- Read this manual before installation and connection. Read the "Setting Manual" and "Operation Manual". Manuals can be downloaded from our homepage at "https://www.aiphone.net/support/ software-documents/" free of charge.
- After completing installation and connection, program the system according to the "Setting Manual". The system cannot operate unless it is programmed.
- · This product incorporates a Class 1 laser.

Laser emissions conform with IEC 60825-1:2014.



Perform installation and connection only after gaining sufficient understanding of the system and this nanual The illustrations used in this manual may differ from the actual stations.

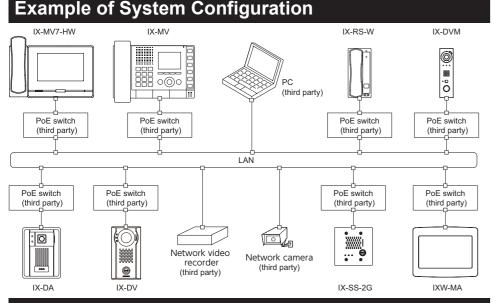
- · This product complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.
- · Manufacturer

AIPHONE CO., LTD.

10th floor Meiji Yasuda Seimei Nagoya Building, 1-1 Shinsakae-machi, Naka-ku, Nagoya, Aichi, 460-0004, JAPAN

Manufacturing Location

37-10 Shikita Sasahara-Cho, Toyota. Aichi 470-0352 Japan

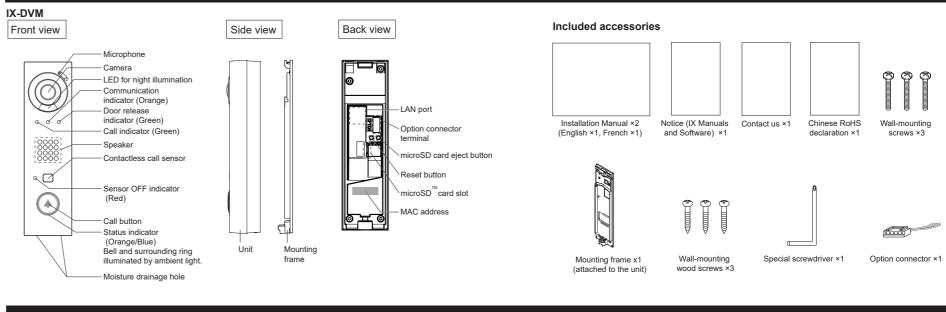


Status Indicator

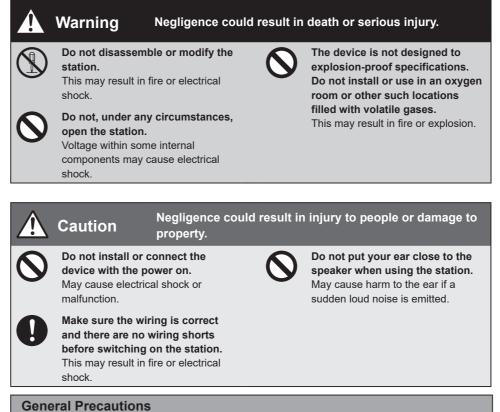
Refer to "Operation Manual" for indicators not listed below.

		- 凍- : Lit □ : Off	
	Meaning		
Orange flashing	→ ↓ - 0.75 sec → □ 0.75 sec -	Booting	
	→ - ↓ - 0.25 sec - → □ 0.25 sec - →	Device error,	
		Startup error	
	▶ 🔆 0.5 sec → 🛛 4 sec ─	Communication	
		failure	
	$\rightarrow \ddagger \stackrel{1}{\underset{\text{sec}}{\Rightarrow}} \square \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \ddagger \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \square \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \square \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \square \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \neg \square$	Firmware version	
		updating	
	$\rightarrow \ddagger^{2}_{sec} \rightarrow \square^{0.25}_{sec} \rightarrow \dashv^{0.25}_{sec} \rightarrow \square^{0.25}_{sec} \neg$	Mounting/	
		unmounting	
		microSD card	
	$\rightarrow \ddagger \stackrel{1}{\Longrightarrow} \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \ddagger \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \ddagger \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \rightarrow \square \stackrel{0.25}{\underset{\text{sec}}{\Rightarrow}} \neg$	Initializing	
Blue light	*	Standby	

Part Names and Accessories



Precautions



· When installing or using the station, give consideration to the privacy rights of subjects, as it is the responsibility of the system owner to post signs or warnings in accordance with local ordinances.

Notice

- recommended for preventing condensation.
- phones, it may cause malfunction.

Precautions for mounting

- Where the sky fills much of the background
- Where the background of the subject is white
- Where direct sunlight is present
- Locations near heating equipment
- Locations subject to moisture and humidity extremes
- Locations where the temperature is quite low
- Locations subject to steam or oil smoke - Sulphurous environments

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If warm air from inside the room enters the unit, the internal and external temperature difference may cause condensation on the camera. Plugging of cable holes and other gaps where warm air might enter is

If the station is used in areas where there are business-use wireless devices such as a transceiver or mobile

If the device is installed close to a light dimmer, an inverter electrical appliance or the remote control unit of a hot-water system or floor-heating system, it may create interference and cause a malfunction.

If the device is installed in an area with an extremely strong electrical field, such as in the vicinity of a

broadcasting station, it may create interference and cause a malfunction.

Environmental conditions such as the accumulation of rainwater, frost, snow, or dust on the unit may prevent calls from being made or place accidental calls.

Installing the station in the following locations as is may affect the clarity of the image:

- Where lights will shine directly into the camera at night time
- Installing the device in the following locations could cause malfunction:
- Locations subject to liquid, iron filings, dust, oil, or chemicals
- Locations close to the sea or directly exposed to sea breeze

In 50Hz regions, if a strong fluorescent light shines directly into the camera, it may cause the image to flicker. Either shield the camera from the light or use an inverter fluorescent light.

If existing wiring is used, the device may not operate properly. In that case, it will be necessary to replace the

Do not use and impact driver to fasten screws. Doing so may cause damage to the device. Avoid installing the door station in concave space of a wall to prevent disconnection of communication.

How to Install

Installation of Video Door Station

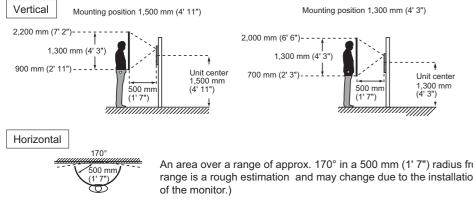
There is no space behind the device to store wires. Please create an opening for the wires. The installation height of the unit should not exceed more than 2m (Upper Edge) from the ground level. Back wiring Wall-mounting screws (included) ×3 or Wall-mounting wood screws (included) ×3 *When mounting equipment on a thin mounting -3 surface (aluminum plate, etc.), holes should be 3.5 Crimp together option connector cable (included) mm diameter. If the mounting surface is thick, drill holes at least 25 mm deep; then mount with and the low-voltage lines, then connect the self-threading screws. option connector and Cat-5e/6 cable. Insert a microSD card into the microSD card slot if needed.Select a NOTE microSD card that suits the usage environment such as temperature. Make room for threading a screw. Mounting Screw mounting frame Unit center hole ×3 Low-voltage lines Unit Option connector Unit (included) center Recommended Mounting height 1,500mm (4' 11") (C) (max.1,850mm (6'2")) R) 28 mm 1-7/64") Cat-5e/6 \Rightarrow Remove the unit from cable the mounting frame. Position the mounting frame with Moisture drainage hole Do not allow this hole to be blocked. \bigcirc UP" facing up and affix. Loosen 🛲 Faster Special Place unit onto mounting frame. screwdrive While holding the unit with your hand secure with screws. (included) Insert the crimp sleeve into the wall so that it is not pinched by the unit.

Camera view range and mounting position

Camera view range

The camera range as illustrated is only an approximate indication and may vary according to the environment.

Wide view (When Wide View and Fisheye Lens Correction is set "Enable".)



An area over a range of approx. 170° in a 500 mm (1' 7") radius from the camera displays. (The display range is a rough estimation and may change due to the installation environment and the specification

How to Connect

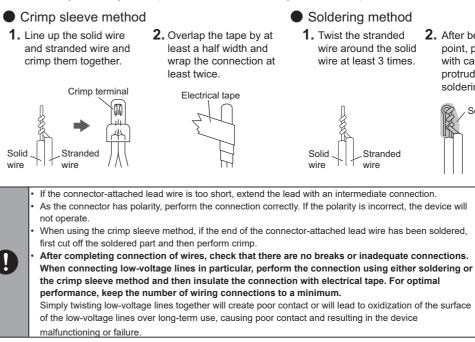
Connection Precautions

Cat-5e/6 cable

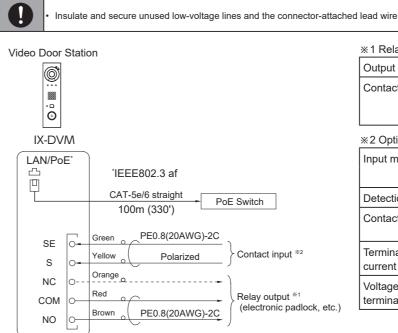
- · For connection between devices, use a straight-through cable.
- · If necessary, when bending the cable, please observe the manufacturer's recommendations. Failure to do so could cause a communication failure.
- · Do not strip away the cable insulation any more than is necessary.
- · Perform termination in accordance with TIA/EIA-568A or 568B.
- · Before connecting the cable, be sure to verify conduction using a LAN checker or similar tool.
- · A RJ45 covered connector cannot be connected to the LAN ports of the master stations or the door stations. Use cables without covers on the connectors.
- · Be careful not to pull on the cable or subject it to excessive stress.

Connection of low-voltage lines

· When connecting low-voltage lines, perform the connection using either the crimp sleeve method or soldering, then insulate the connection with electrical tape.



Wiring Connection



Precautions regarding low-voltage line

• Use PE (polyethylene)-insulated PVC jacketed cable. Parallel or jacketed conductors, mid-capacitance, non-shielded cable is recommended. · Never use twisted-pair cable or coaxial cable.

2Pr quad V twisted pair cables cannot be used.

Parallel cable Coaxial cable





point, perform soldering, with care that no wires protrude from the soldering.

2. After bending down the **3.** Overlap the tape by at least a half width and wrap the connection at least twice.





Soldering method



Crimp sleeve method

Relay Output Specifications				
out method	Form C dry contact (N/O or N/C)			
tact rating	24 VAC, 1 A (resistive load) 24 VDC, 1 A (resistive load) Minimum overload (AC/DC): 100 mV, 0.1 mA			
Dption Input Specifications				
it method	Programmable dry contact (N/O or N/C)			
	Level detection months of			

Option Input Specifications			
it method	Programmable dry contact (N/O or N/C)		
	Level detection method		
ection time	100msec - 600sec by setting		
tact resistance	Make: 700 Ω or less Break: 3 kΩ or more		
ninal short-circuit ent	20 mA or less		
age between ninals	5.5 VDC or less (between open terminals)		
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