Installation Manual This manual includes Product Liability Precautions. Provide this manual to

end user after installation.

Introduction

- Read this manual before installation and connection. Read the "Setting Manual" and "Operation Manual" included on the DVD-ROM that comes with the Master Station (IX-MV)
- · Configure the system settings according to the "Setting Manual" after completing the installation and connection. The system will not function unless it has been properly configured.
- After installation, explain to the customer how to use the device, and be sure to provide the accompanying DVD-ROM that came with the Master Station (IX-MV).

Important

Perform the installation and connection only after fully understanding this device and the manual. Illustrations used in this manual may be different from the actual ones

Example of System Configuration IX-MV PC Network Video Network Camera (third party) Recorder (third party) (third party) \odot í. IX Support Tool (included with IX-MV) PoE-enabled switch (third party) LAN PoE-enabled switch PoE-enabled switch PoE-enabled switch (third party) (third party) (third party) PoE-enabled switch PoE-enabled switch (third party) (third party) :0 :0 :0 :0 (Se) IX-DA IX-BA IX-DF IX-DF-HID IX-DF-2RA IX-DF-P

Number of station registrations in address book

Product number	Product name	Number of station registrations in address book
IX-MV	Master Station	500 stations
IX-DA, IX-DF, IX-DF-HID-I*1, IX-DF-HID*1, IX-DF-2RA*1, IX-DF-PI*2, IX-DF-P*2	Video Door Station	20 stations*3
IX-BA, IX-SS, IX-SS-2RA*1	Audio Only Door Station	20 stations*3
*1 North America and		

North America only *2 Except North America

*³ Only Master Stations can be registered (Max. 20)

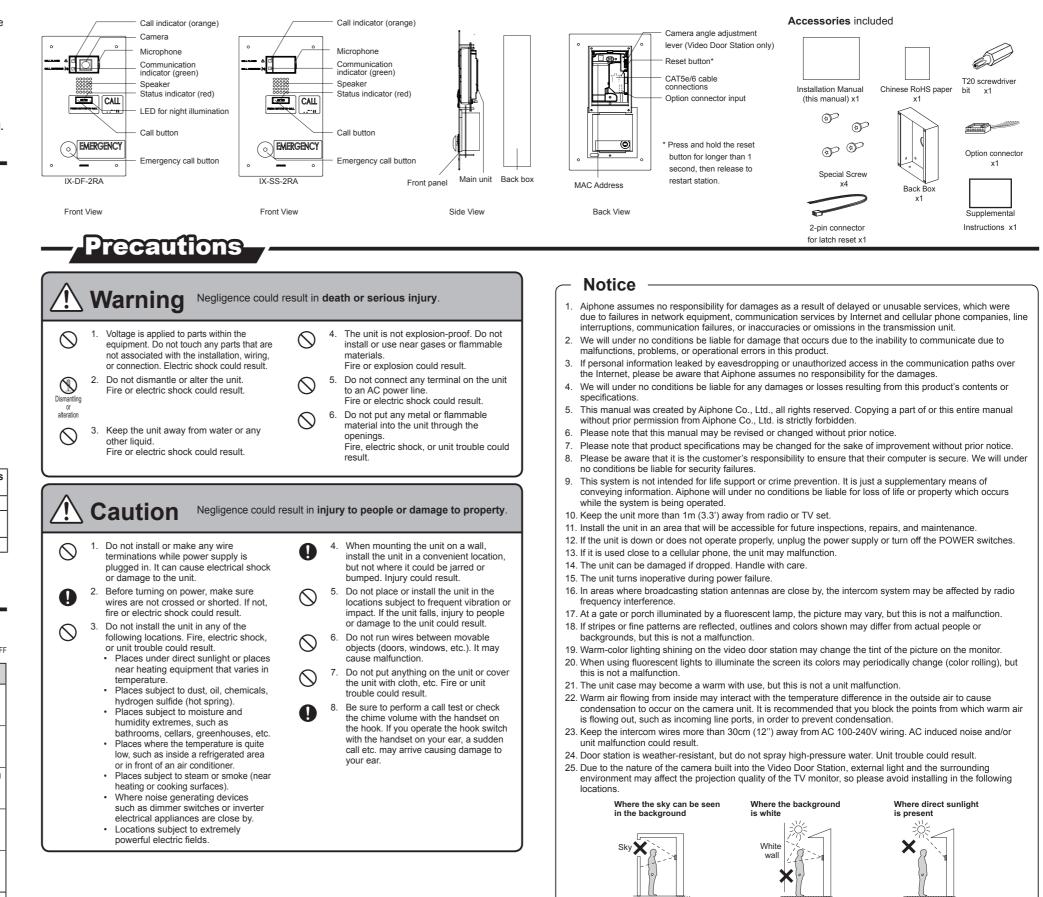
meteriors

Refer to the separate "IX-DA & IX-BA Operation Manual" for indicators other than those listed

– 📜 – : Light ON 📋 : Light OFF

Name	Status	(Pattern)	Explanation
Status indicator	Red flashing	Normal flashing → -	Booting
		Fast flashing → -↓- 0.25 sec → □ 0.25 sec -	Device error
		Long interval flashing → -	Communication failure
		Long irregular flashing → -	Firmware version upgrading
		Short irregular flashing → -	Initializing
	Red light	*	Standby

Part Names and Accessories



AIPHONE

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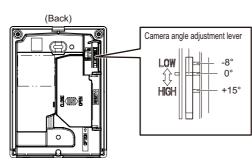
How to Install

Installation of Door Station 148 mm Back box (included) (5-13/16") Front panel with the unit attached Install the back box in the wall, and then connect the CAT5e/6 cable 281 mm (11-1/16")and option wires to the unit with the terminal cover open. Looser Mounting height (box center) GL=1,500 mm (5') Special screwdriver 45 mm (included) Tiahten (1-3/4") Special screw x 4 (included) **2** Fasten the front panel to the back box with the special screws.

Imaging Range and Mounting Location (IX-DF-2RA only)

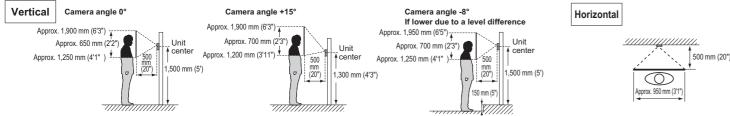
Imaging Position Settings

The camera angle can be adjusted up or down (-8°, 0°, +15°) using the camera angle adjustment lever. Set it to the optimal level.



Wall Mounting

The indicated range is a guideline that may change depending on the installation environment.



When light enters the camera, the monitor screen may flicker brightly or the subject may become dark. Try to prevent strong lighting from entering the camera directly.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference. and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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, then user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

How to Connect

Connection Precautions

Cable

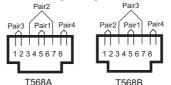
The cable is not included with the product.

About the CAT5e/6 cable

- · Use a straight cable when connecting between equipment.
- Do not use a CAT5e/6 cable with a bending angle of less than a 25 mm (1") radius. A radius of less than 25 mm (1") could cause a communication failure.

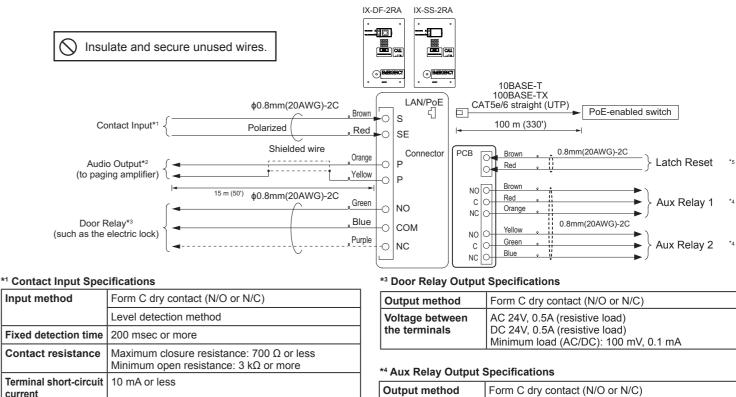


- · Do not peel the jacket off the CAT5e/6 cable any more than is necessary
- Attach the RJ45 modular plugs using either EIA/TIA-568A or 568B



· Use the LAN tester to confirm conduction before connecting the CAT5e/6 cable

Wiring Connection



*2 Audio Output Specifications

Voltage between

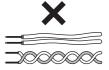
the terminals

Output impedance	
Output audio level	300 mVrms (600 Ω when terminated)

DC 5V or less (between open terminals)

Cable precautions

· Do not use separate conductors or twisted pair cables.



· Do not use an odd number cable



 The RJ45 connector with cover cannot be connected to CAT5e/6 cable terminals for Master Station or Door Stations. Use cables without covers on the connectors.



• Do not pull the CAT5e/6 cable or apply excessive load.

Output method	Form C dry contact (N/O or N/C)
the terminals	AC 24V, 0.5A (resistive load) DC 24V, 0.5A (resistive load) Minimum load (AC/DC): 100 mV, 0.1 mA

Output method	Form C dry contact (N/O or N/C)
the terminals	AC 24V, 0.5A (resistive load) DC 24V, 0.5A (resistive load) Minimum load (DC): 10 mV, 0.01 mA

*5 Latch Reset Specifications

Input method	Dry contact (N/O)
Contact resistance	Maximum closure resistance: 700 Ω or less
Terminal short- circuit current	10mA or less
Voltage between the terminals	DC 5V or less (between open terminals)