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

end user after installation.

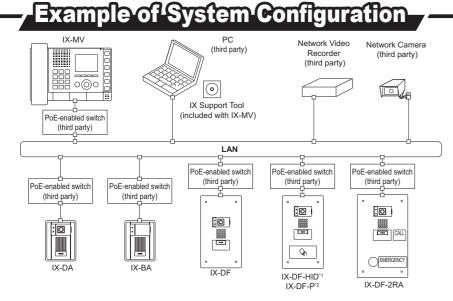
X-DF-HID- (Video Door Station)

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



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 Amorica only		

North America only *2 Except North America

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

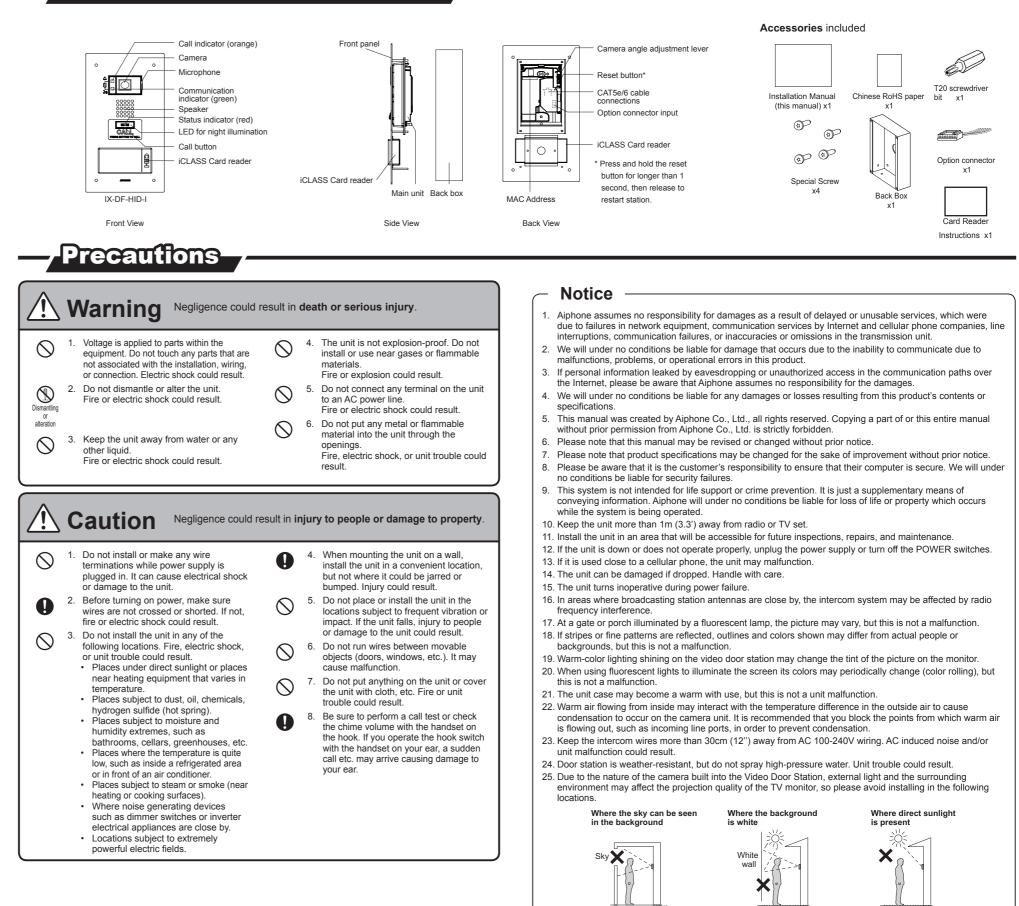
meteriors

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 $- \frac{1}{2} - 1 \sec - 0.25 \sec - 0.2$	Firmware version upgrading
		Short irregular flashing → - ↓ - 1 sec → □ 0.25 sec → - ↓ - 0.25 sec → □ 0.25 sec →	Initializing
	Red light	*	Standby

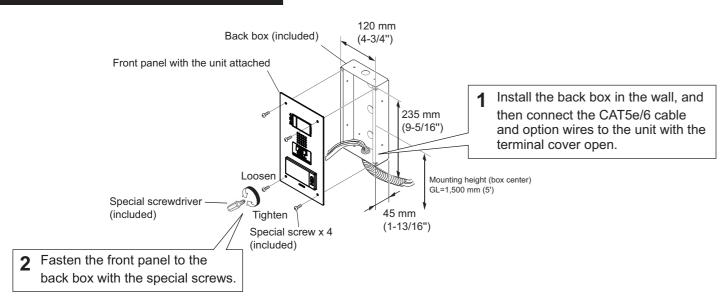
Part Names and Accessories



AIPHONE

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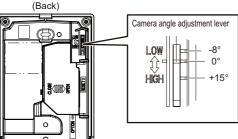
Installation of Door Station



Imaging Range and Mounting Location

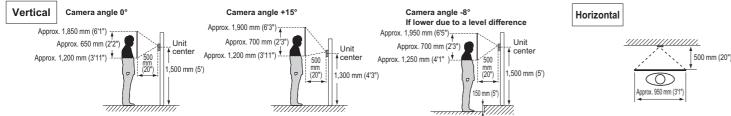
Imaging Position Settings

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.

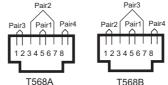
About the CAT5e/6 cable

· 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.

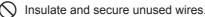


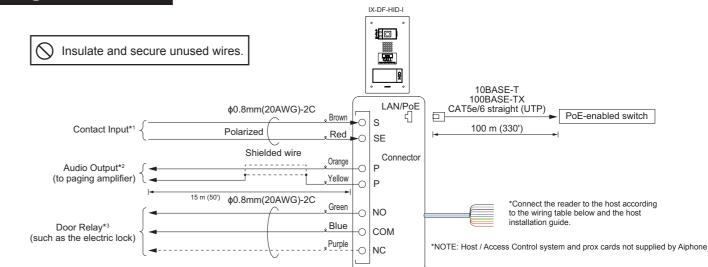
- · Use the LAN tester to confirm conduction before connecting the CAT5e/6 cable.
- · The RJ45 connector with cover cannot be connected to CAT5e/6 cable terminals for Master Station or Door Stations. Use cables without covers on the connectors.



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

Wiring Connection





*1 Contact Input Specifications

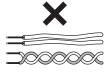
Input method	Form C dry contact (N/O or N/C)	
	Level detection method	
Fixed detection time	200 msec or more	
Contact resistance Maximum closure resistance: 700Ω or less Minimum open resistance: $3 k\Omega$ or more		
Terminal short-circuit current	iit 10 mA or less	
Voltage between the terminals	DC 5V or less (between open terminals)	

*2 Audio Output Specifications Output impedance 600 Ω

Output audio level 300 mVrms (600 Ω when terminated)



· Do not use separate conductors or twisted pair cables.



· Do not use an odd number cable



*3 Relay Output Specifications

Dutput method Form	Form C dry contact (N/O or N/C)	
/oltage between he terminalsAC 24 DC 24 Minim	V, 0.5A (resistive load) V, 0.5A (resistive load) um load (AC/DC): 100 mV, 0.1 mA	

iClass Reader Wiring Table

Pigtail	Description	Pigtail	Description
Yellow	Beeper Input	Red/Grn	GPIO1 (RS232-T/RS485-A)
Orange	Green (GRN) LED Input	Tan	GPIO2 (RS232-R/RS485-B)
Black	Ground (RTN)	Violet	Open Collector Output
Red	+VDC	White	Wiegand Data 1 / Clock
Drain	Unused	Green	Wiegand Data 0 / Data
Brown	Red LED Input	Pink	GPIO3 (RS485-Z)
Blue	Hold Input	Gray	GPIO4 (RS485-Y)