



iVISION+

Wireless Video Intercom

IVP-DU(G)

(Door Camera Unit)

Installation Instructions

**ATTENTION:**

Thank you for purchasing the iVISION+ wireless video intercom. Before installation and usage, please read this instruction manual thoroughly and keep this safe for future reference.

IVP-DU(G) features

- Adjustable Camera Angle
- Battery Operation Capability (for 1 year*1)
- Auto Day(Color) / Night(IR) Vision
- Max 2 Units in a System
- Fluorescent Push Button
- AC/DC (10~24V) Adaptable
- Splash Proof for Rain and Outdoor Condition*2

*1 calculation based on operations for 10sec times 3 activations per a day
 *2 IPX4 Operating Temperature -20 to 50 degC (-4 F to 122 degF)

1. IMPORTANT NOTICE

Operations under harsh environments such as out of warranted temperature, rapid temperature change, high humidity, constant moisturization may cause the unit to malfunction.

Electronic device such as TVs, Radios, PCs, Microwave ovens or any other device with an electric motor may cause the unit to malfunction.

Impact or shocks can cause severe damage to the unit. Please handle the unit with care and operate without exerting strong forces.

Transmission range of communication between units may decrease under the following conditions.

- Any unit is installed on a metal surface.
- Presence of reinforced concrete, steel doors or other metal construction materials between units.
- Places near strong radio sources such as broadcast stations or substations.

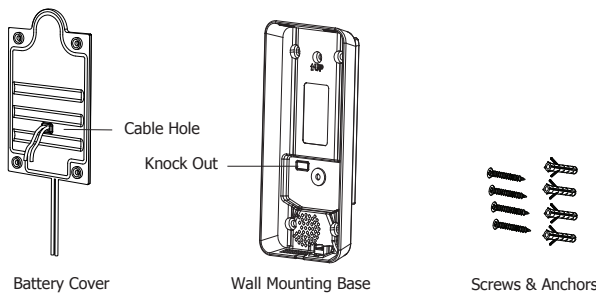
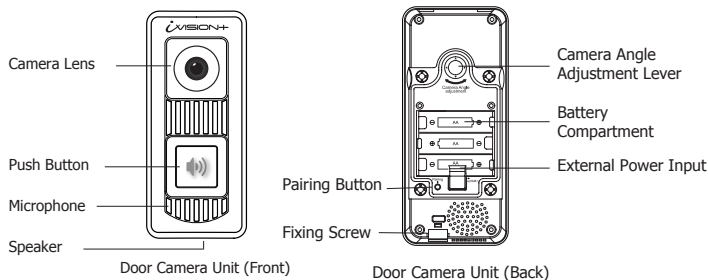
Location of Installation is critical to optimize image quality captured by the unit. Images will be impaired if the ambient backlight is very strong.

Please study the installation environment according to this installation instruction.

- The video image is displayed in color during daytime or in well-lit area, but it is displayed in black and white at night or in a dark area.

Old and new batteries may not be mixed. **Do not use lithium** batteries for IVP-DU. Leakage or possible explosion can occur.

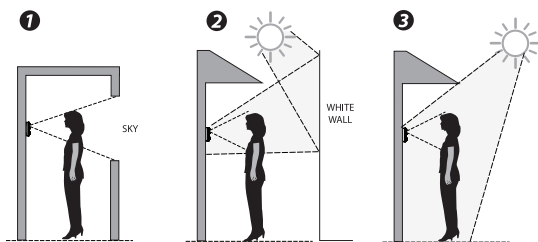
- When Door Camera Unit Low Battery Indicator blinks on HU1, please replace batteries.

2. PARTS IDENTIFICATION**3. CHOOSING LOCATION****3-1 Places to Avoid**

The performance of the system may be affected when mounting the unit in the following environments.

- Places that are constantly experiencing vibrations or shocks.
- Near a source of hydrosulfuric fumes, phosphorus fumes, ammonia, sulphur, carbon dust and any acidic or noxious materials.
- An enclosed space that may cause sounds to echo
- Where rain or water may directly hit the unit.

Please also note that the video image may be seriously impaired where the camera faces directly into the sun, and also in the following situations.

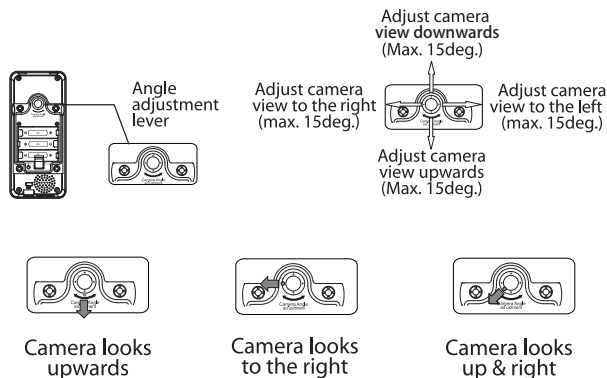


- Location where the background is primarily occupied by the sky, such as in the upper floor of an apartment building.
- Location which has an adjacent white wall that will directly reflect sunlight.
- Location that receives direct bright sunlight.

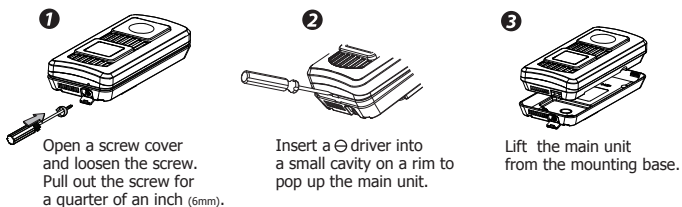
3-2 Position and Field of View

IVP-DU (Door Camera Unit) should be mounted at a position where visitors or potential trespassers can be captured in the camera's field of view. In a typical setting, IVP-DU is positioned at height between 3.6 -5 feet (1-1.5m) off the ground.

Camera Angle Adjustment Lever can shift the camera's field of view max +/- 15 degrees to any combination of vertical and horizontal directions.

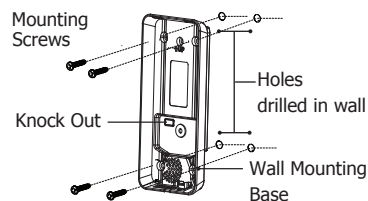
**4. INSTALLATION****4-1 Unit Preparation**

Remove the main unit from the mounting base

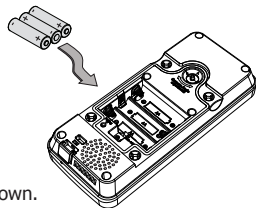
**4-2 Fixing the Base**

Fix the mounting base on the wall at the height and location selected.

NOTE: When using an external power source, make a knock out hole on the Mounting Base before fixing to a wall. Place the Mounting Base on a horizontal surface front side down. Point a driver in the center of the knock out and apply gentle impacts to break a hole through.

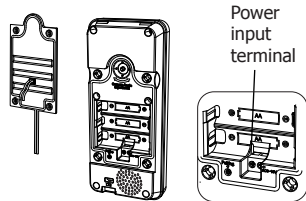


CAUTION
Old and new batteries may not be mixed. **Do not use lithium** batteries for IVP-DU. Leakage or possible explosion can occur.



Insert 3 x AA alkaline batteries.
 Please ensure to match the correct +/- polarity as shown.

The Camera Door Unit may also be powered from an external power source. If available, connect the unit directly to the existing AC/DC 10-24V doorbell power supply or, alternatively, an AC/DC 10-24V third party's external power pack may be used.

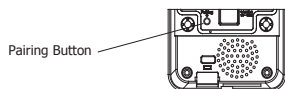


Pass the bell wire or the wire from a power pack through the mounting plate before fixing the plate to the wall. Connect the wire to the Power input terminal.

WARNING
 External power must not be used with batteries.

5. PAIRING WITH IVP-HU (Handheld Monitor Unit)

NOTE: One Handheld Monitor Unit (IVP-HU) must be configured to have a HOME ID*1 prior to pairing up with other iVISION+ devices. For setting up a new HOME ID, refer to the Installation Instruction of IVP-HU. A Handheld Monitor Unit bundled with Door Camera Unit already has a HOME ID set up and paired up to each other. Proceed to OPERATION CHECK unless additional pairing is required.



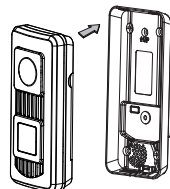
(1) Enabling Pairing Mode of a Door Camera Unit (IVP-DU)
 Press a PUSH button on the front then push pairing button located at the bottom of battery compartment until the unit makes a beeping sound. The Door Camera Unit will clear its HOME ID assignment and starts looking for a New HOME ID. 5 short beeps will repeat until the unit is paired or power/batteries displacement.

(2) Assigning a HOME ID to a Door Camera Unit (IVP-DU)
 When a Handheld Monitor Unit in a pairing mode, choose "SCAN" by pressing Left Function Key. Door Camera Unit will automatically be assigned to a new HOME ID and beeping will stop. Repeat the same procedure for an addition unit. The first paired IVP-DU will be assigned as DU1. The second paired IVP-DU will be assigned as DU2.

NOTE: While the Door Camera Unit is in a factory default setting, the unit has not been assigned to a HOME ID*1. When powering the unit, 5 short beeps indicates its pairing mode.

*1 HOME ID is an unique identification number for your iVISION+ system.

6. MOUNTING THE UNIT



- (1) Fix a Wall Mounting Base to a desired location using four screws and anchors included in a package.
- (2) On to the secured mounting base, hook upper rim of the main unit and then, press in the entire unit.
- (3) Tighten a screw at the bottom to secure the unit.

7. OPERATION CHECK

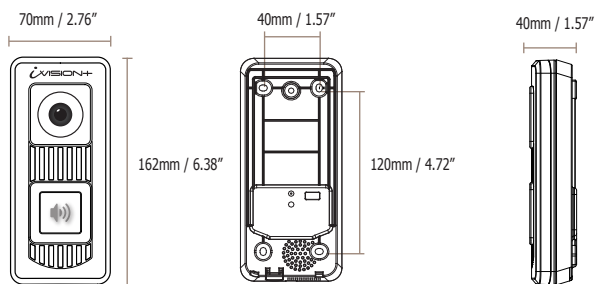
- (1) Press "Push Button" on the IVP-DU and observe IVP-HU with a visual image.
- (2) Carry IVP-HU away from the IVP-DU and Press "Answer" on the IVP-HU.
- (3) Have another person speak to the IVP-DU and listen to the sound on IVP-HU.
- (4) Speak back from the IVP-HU and listen from the IVP-DU.

If the IVP-DU is powered from the external power source, the Push Button glows on the IVP-DU.

NOTE: Due to characteristics of 2.4 GHz radio waves, different locations in a home may vary the performance of transmissions and receptions. Adjust positions of IVP-HU to places where performance is desirable. If a distance between IVP-DU and IVP-HU is close, two units may cause an howling effect when communication is in place.

8. SPECIFICATION

8-1 Dimensions



8-2 Specification Table

MODEL NAME: OPTEX iVISION+ (IVP-DU) Door Camera Unit

Operating Temperature	- 20 to 50 degC (-4 to 120 degF)
Operating Humidity	< 90% RH (no condensation)
Dust/Water Protection	IPX4 Splash Proof (Water Drain Structure)
Radiowave Frequency	2.4 GHz
Camera/Lighting Unit	Color vision / IR lighting LED
Power	Battery (3 AA Alkaline) or AC/DC 10-24V 3W (max)
Battery Life Expectancy	12 month *

* Based on 3 activations (approx. 10sec each) per day

9. WARRANTY

1. This product is under a warranty for a normal usage for 18 months from the date of manufacturing. The date of manufacturing can be identified from a LOT number indicated on a label placed in a back of IVP-DU.
 LOT: YYWWZ (e.g. LOT 1350Z)
 YY indicates last two digits of the year manufactured (e.g. "13" = Year 2013)
 WW indicates Xth week of the year manufactured (e.g. "50" = 50th week)
2. The warranty may **not be applicable** when any of following circumstances is found.
 - Mechanical or electrical modification is made to the product and the good's appearance indicates an alterations or a significant damage.
 - The product is already been diagnosed by someone other than the manufacturer.
 - Product malfunction is resulting from an improper usage, an accident, natural disaster or any environmental event.
 - Please call our technical assistance before arranging a return.



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