OPTEX

iVISION+
Wireless Video Intercom

# IVP-DU (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 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 Temparature -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.

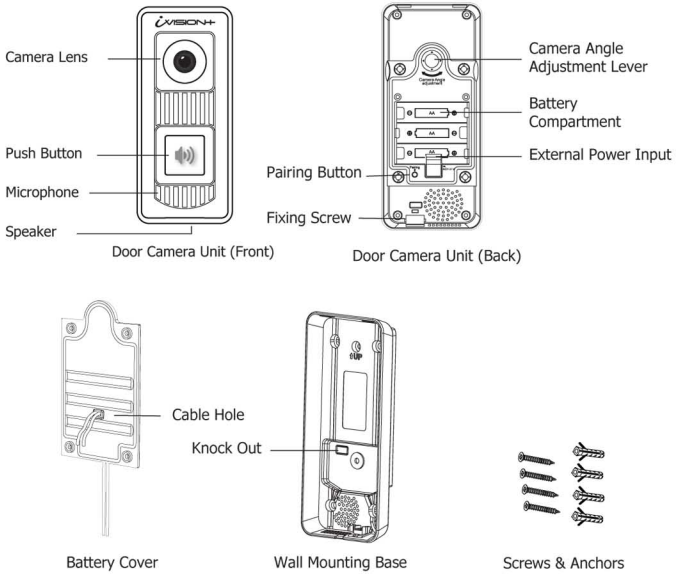
**Impact or shocks** can cause severe damage to the unit. Please handle the unit with care and operate without exerting strong forces.

**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

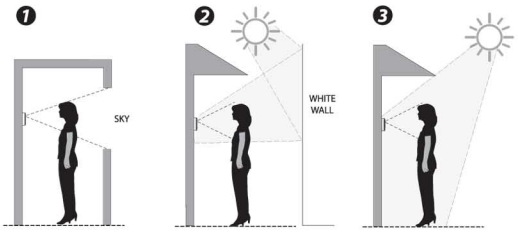



## 3. CHOOSING LOCATION

### 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.

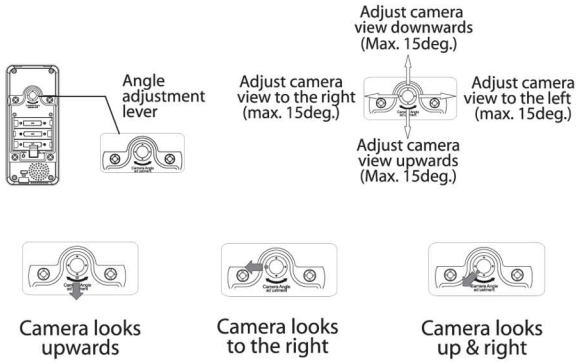



❶ Location where the background is primarily occupied by the sky, such as in the upper floor of an apartment building.
❷ Location which has an adjacent white wall that will directly reflect sunlight.
❸ Location that receives direct bright sunlight.

### 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 off the ground.

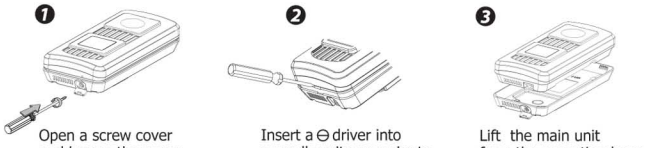
Camera Angle Adjustment Lever can shift the camera's field of view max +/- 15 degrees to any combination of vertical and horizontal directions.




## 4. INSTALLATION

### 4-1 Unit Preparation

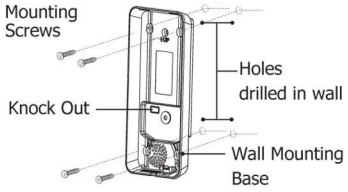
Remove the main unit from the mounting base




### 4-2 Fixing the Base

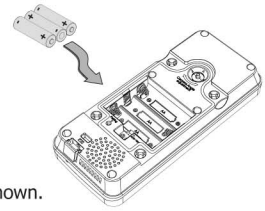
Fix the mounting base on the wall at the height and location selected.

NOTE: When using an external power source, make a knockout 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.



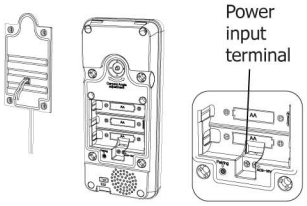
### 4-3 Powering the Unit

> **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.

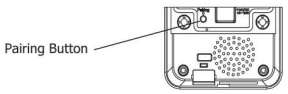



Pass the bell wire or the wire from a power pack through the mounting plate before fixing the plate to the wall. Connect the wire to the Power input terminal.

> **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 paring 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.



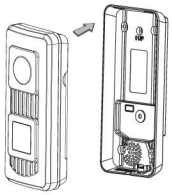

(1) Enabling Paring Mode of a Door Camera Unit (IVP-DU)
Press a PUSH button on the front then push pairing button located at the bottom of battery compartment until the unit makes a beeping sound.
The Door Camera Unit will clear its HOME ID assignment and starts looking for a New HOME ID. 5 short beeps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

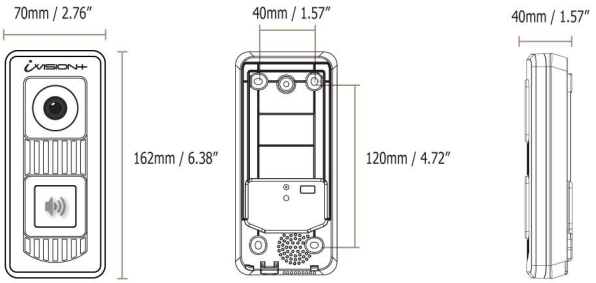
(3) Have another person speak to the IVP-DU and listen to the sound on IVP-HU.

(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) |
| Warranty | 1 year |
| 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 warranted under normal use for 1 year from the date of purchase. If the product proves to be defective, return it with a copy of your dated sales receipt for repairs or replacement without charge.
2. The warranty is not applicable when below circumstances will be found:
   - Mechanical or electrical modification(s) are made to the product or it is otherwise altered manually.
   - The product is already been at place(s) other than the manufacturer.
   - It is determined that the product malfunction has resulted from improper use or from an accident.
   - No copy of the dated sales receipt has been submitted together with the product to be served.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OPTEX

iVISION+
Wireless Video Intercom

# IVP-HU
# (Handheld Monitor 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-HU features

2.4 inch TFT LCD Monitor
Wall-mountable Cradle
Max 4 Units in a System
micro-USB port to PC connection
Manual/Auto Talk Switching

## 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.

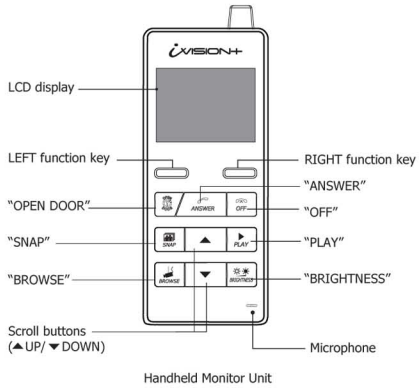
**Impact or shocks** can cause severe damage to the unit. Please handle the unit with care and operate without exerting strong forces.

**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.

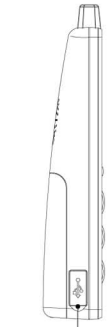
**Avoid using** the Handheld Monitor Unit in the following areas
- Close to a fire, thermal appliance or other source of extreme heat/cold.
- Within 10ft (3m) of a television, microwave oven, personal computer, wireless LAN equipment, wireless audio/visual equipment - the radio frequency waves emitted by these devices can affect operation.
- In direct sunlight.
- Where extreme fluctuations in temperature can occur - if moving the unit from a warm to cold environment, or vice versa, please allow 30 minutes before use.

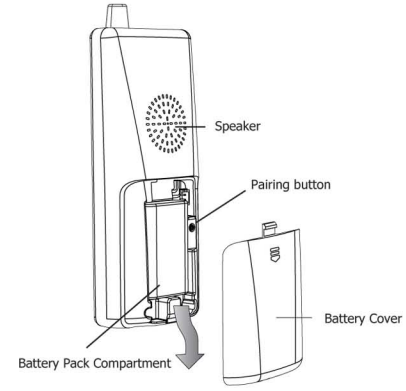
**Privacy & portrait/image rights**
- Please respect the privacy and image rights of others when using this equipment. By using this equipment the user assumes total responsibility in upholding these rights.
- Images stored must not be used for any purpose other than that for which the equipment is designed.
- Images should be deleted once no longer required.

## 2. PARTS IDENTIFICATION

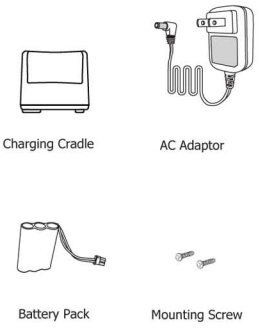


Handheld Monitor Unit


USB connection port



Battery Pack Compartment




## 3. CHOOSING LOCATION

The performance of the iVISION+ system is dependent on the radio frequency environment and distances between devices. Following materials may decrease the maximum transmission distance and may cause the Handheld Monitor Unit inability to respond to incoming signals.

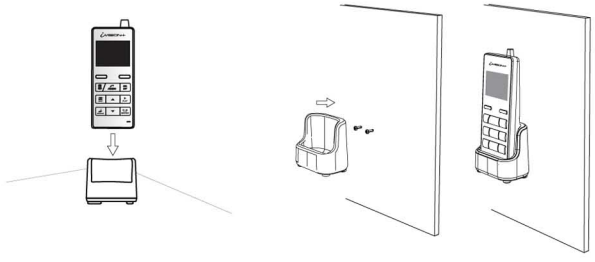
- Metal barricades such as ,metal doors and shutters.
- Walls with aluminium foil insulation.
- Concrete or galvanized metal walls.

The effective communication range is around 300ft (100m) in an open air condition (line of sight). This range will be significantly reduced by the number and thickness of walls through which the signal is required to pass. Please keep to a minimum number of walls wherever possible.

Handheld Monitor Units use 2.4GHz radio frequency. Any electrical appliance may become a potential cause for malfunction. Please avoid using the Handheld Monitor Unit near microwave oven or any electrical devices with similar radio frequency.

## 4. INSTALLATION

Handheld Monitor Unit must be set on Charging Cradle to retain its power while iVISION+ system is not in operation. The Charging Cradle can either be free-standing on a horizontal surface or be mounted on a wall as described below.



## 5. POWERING THE UNIT

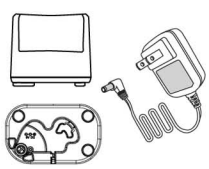
⚠ CAUTION

Please use the included battery pack and a power adaptor only.
Do not disassemble or attempt to use alternative battery packs.

Remove and keep the battery seperately if the device is not used for more than a month. It may require several charge-discharge process before a battery regains its full capacity after a long storage period.

1. Connect Battery pack to the main unit.

2. Connect AC adapter to Charging Cradle



3. Press and hold "OFF" button to power on. Set the unit onto the cradle for charging.

## 6. PAIRING WITH OTHER iVISION+ DEVICES

NOTE: One Handheld Monitor Unit (IVP-HU) must be configured to have a HOME ID*1 prior to paring up with other iVISION+ devices. Handheld Monitor Unit bundled with Door Camera Unit already has a HOME ID set up and paired up to each other.

*1 HOME ID is an unique network identification protocol for iVISION+ system. One Handheld Monitor Unit can issue the HOME ID and all other devices on the same system must be assigned the same HOME ID.

### 6-1 How to create HOME ID by a Handheld Monitor Unit

⚠ WARNING

Any pre-existing HOME ID set up will be cleared out with this procedure.

(1) Press "OFF" and then press pairing button in the back of the unit once. The IVP-HU will be in a pairing mode.
(2) Press the pairing button again and hold until the unit makes a beep sound.
(3) Press "Left function key" on the front to confirm "CREATE."

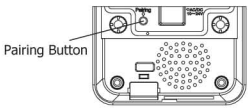
### 6-2 How to enroll other iVISION+ devices to the Handheld Monitor Unit

(1) Press pairing button in the back of IVP-HU. The unit will be in "PAIRING MODE".
(2) Proceed to "SCAN" by pressing "Left function key". IVP-HU starts scanning for other devices for 60 seconds.
(3) Prepare other iVISION+ device into their pairing mode. (REF: 6-3) When the device is ready, the new unit will be enrolled to the HOME ID and IVP-HU shows which device was connected.
(4) If another device needs to be enrolled, re-enter "SCAN" by "Left Function key" and repeat the process.

### 6-3 REFERENCE: How to enter "pairing mode" in iVISION+ devices

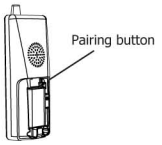
**IVP-DU: Door Camera Unit**

If not purchased in a bundle package, IVP-DU is in the pairing mode when powered up. IVP-DU beeps continuously when PUSH button is pressed. To purposely enter into a paring mode, press PUSH button once and hold a pairing button in a back.



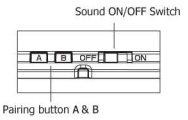

**IVP-HU: Handheld Monitor Unit**

If not purchased in a bundle package, IVP-HU is in the pairing mode when powered up. Choose "JOIN" by "Right function key" to enroll into an existing HOME ID. If otherwise, follow the instruction 6-1 to create a new HOME ID. After an enrollment of new HU, reset a Time & Date on HU1 to reflect the setting onto the added HU unit.




**IVP-GU: Gateway Chime Unit**

If not purchased in a bundle package, by the factory default, IVP-GU is in the pairing mode when powered up. IVP-GU beeps continuously and green/red LED blinks. Press down both A and B buttons while powering up the Gateway Chime Unit to enter the pairing mode.




## 7. OPERATION CHECK

### 7-1 Confirming number of iVISION+ devices in a HOME ID

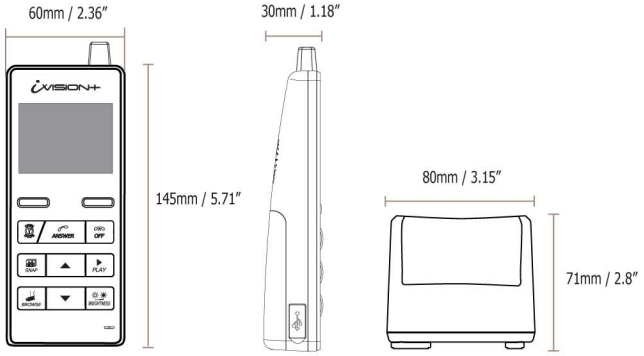
(1) In a normal operation mode, press and hold the left function key for two seconds to enter menu mode.
(2) Select menu number 3 # DEVICES IN NETWORK by up and down key.
(3) Press LEFT function key to "OK"
(4) The display will show the number of iVISION+ devices in the network. Confirm number of iVISION+ devices registered with the HOME ID.
(5) Maximum numbers of devices in an iVISION+ system are; 2 IVP-DU, 2 IVP-GU and 4 IVP-HU. Go over pairing procedure unless optimal numbers of devices are displayed.

### 7-2 Checking operations on Handheld Monitor Unit

(1) Make sure IVP-HU has been charged and there is a green indication on the top of display.
(2) To confirm RF reception, bring IVP-HU and IVP-DU in a line of sight.
(3) Press "Push button" on a paired Door Camera Unit. All paired IVP-HUs display an image from the IVP-DU.
(4) Press "Answer" on any of the IVP-HU. Voice from IVP-HU will be heard from the IVP-DU.
(5) Press "OFF" on the IVP-HU to terminate the communication.
(6) Move IVP-HU (and IVP-DU) to a desired location and repeat (3) to (5) to confirm reception of signals.

## 8. SPECIFICATION

### 8-1 Dimensions




### 8-2 Specification Table

MODEL NAME: OPTEX iVISION+ (IVP-HU) Handheld Monitor Unit

| | |
|---|---|
| Operating Temperature | 0 to 40 degC (32 to 104 degF) |
| Operating Humidity | < 90% RH (no condensation) |
| Warranty | 1 year |
| Dust/Water Protection | N/A (Indoor Use Only) |
| Radiowave Frequency | 2.4 GHz |
| Power | Power Adaptor 5.5V DC |

Use designated battery, IVP-BAT, for IVP-HU.

Please contact your regional technical support for procurement information.

## 9. WARRANTY

1. This product is warranted under normal use for 1 year from the date of purchase. If the product proves to be defective, return it with a copy of your dated sales receipt for repairs or replacement without charge.
2. The warranty is not applicable when below circumstances will be found:
   - Mechanical or electrical modification(s) are made to the product or it is otherwise altered manually.
   - The product is already been at place(s) other than the manufacturer.
   - It is determined that the product malfunction has resulted from improper use or from an accident.
   - No copy of the dated sales receipt has been submitted together with the product to be served.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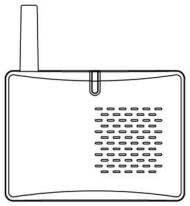
OPTEX

iVISION+
Wireless Video Intercom

# IVP-GU (Gateway Chime Unit) Installation Instructions



**ATTENTION:**
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Before installation and usage, please read this instruction manual thoroughly and keep this safe for future reference.

## IVP-GU features

SENSOR ALERT Function with OPTEX WIRELESS2000: TC-10U & TD-20U*1
"OPEN DOOR" Relay Output Function *2
AC/DC (10~24V) Adaptable
Chime On-Off Mode

*1 SENSOR ALERT Function substitutes a push on IVP-DU with a sensor detection.
OPTEX WIRELESS2000 TC-10U and/or TD-20U must be configured to work with iVISION+ system in a stable environment
*2 Relay Output function must meet other requirements dependent on the third party equipment.
OPTEX will not be held responsible for any damage or injuries caused due to using this function.

## 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.

**While installing/using a Gateway Chime Unit**
- Do not install/use in damp, steamy or dusty environments.
- Do not hold the Gateway Chime Unit to your ear - your hearing could be damaged.
- Do not install in an unstable location or where subject to strong vibration.

## 2. CHOOSING LOCATION

If there is a pre-existing door bell inside the house, a Gateway Chime Unit (IVP-GU) may be capable of adapting the pre-existing power wires (AC/DC 10-24V 3 Wmax).

IVP-GU bridges a communication between OPTEX WIRELESS2000 system and iVISION+ system. IVP-GU should be located in a place where the unit has a clear signal reception and transmission availability.

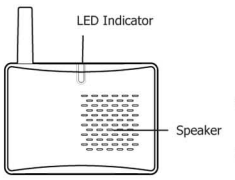
The performance of a IVP-GU is dependent on the transmission environment of radio signals from locations of connecting units. A communication range will be significantly reduced by more number and thickness of walls which the signal is required to pass.

For iVISION+ system, maximum communication range is around 300ft (100m) in an open air environment. Following materials may decrease the maximum communication range and may potentially cause loss of transmission signals.

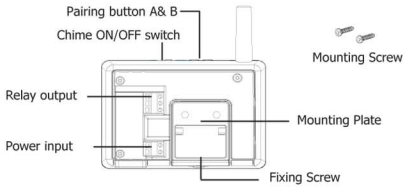
- Metal barricades such as metal doors and shutters.
- Walls with aluminium foil insulation.
- Concrete or galvanized metal walls.

Gateway Chime Unit uses 2.4GHz radio frequency for iVISION+ system and 418 MHz radio frequency for expansion to OPTEX WIRELESS2000 devices.

## 3. PARTS IDENTIFICATION



Gateway Chime Unit (Front)



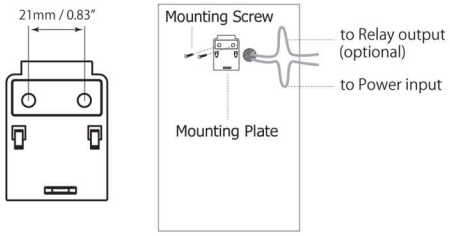
Gateway Chime Unit (Back)

## 4. POWERING THE UNIT

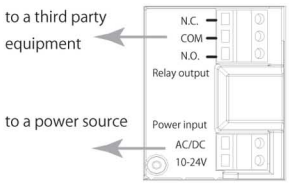
The Gateway Chime Unit needs to be powered from an AC/DC 10-24V 3W(max) power source. An open ended third party power adapter may be available from local electronics stores. Power input has no polarity. Please make sure to tighten terminal screws to avoid loose ends.
If applicable, configure all pairing setup and carry out feasibility study before mounting on a wall.

## 5. INSTALLATION

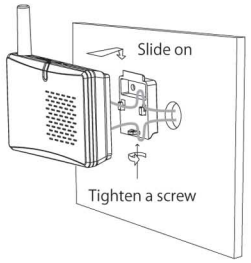
One iVISION+ system can host up to 2 units of Gateway Chime Unit (IVP-GU).
If "OPEN DOOR" Relay Output function is used, please carefully choose a location for each of IVP-GU to secure a physical access to the IVP-GU.
For the optimal radio performance, mount IVP-GUs high on a wall and in an open area avoiding a metal surface and surrounding.



(1) Fix a Mounting Plate on a feasible location



(2) Run a power cable to the location and connect to the Power input. If applicable, also run a relay connection from the Relay output to the third party equipment.



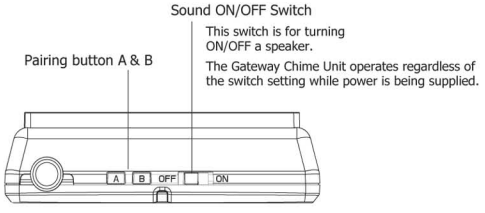
(3) Slide the IVP-GU onto the Mounting Plate and tighten the Fixing Screw at the bottom.

## 6. PAIRING WITH OTHER iVISION+ DEVICES

One iVISION+ system can host up to 2 units of Gateway Chime Unit (IVP-GU).

NOTE: One Handheld Monitor Unit (IVP-HU) must be configured to have a HOME ID*1 prior to paring up with other iVISION+ devices. For setting up a new HOME ID, please refer to the Installation Instructions of IVP-HU.
A Handheld Monitor Unit bundled with Door Camera Unit (IVP-DU) already has a HOME ID set up and paired up to each other.

While the IVP-GU is in a factory default setting,
the unit has not been assigned to a HOME ID. When powering the unit, green and red LED will flash with beep sound to indicate its paring mode.
Please proceed to (2). (... continues onto the other side)

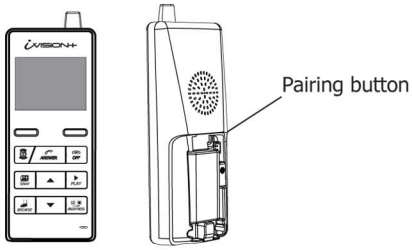



*1 HOME ID is an unique identification number for your iVISION+ system.

(1) Entering Pairing mode of a Gateway Chime Unit (IVP-GU).
An IVP-GU is already set in a "Pairing mode" at the factory default setting.
To change IVP-GU into the "Pairing mode", press down both A and B buttons and hold until LED will brink in green and red.

(2) Prepare Handheld Monitor Unit (IVP-HU) for assigning a HOME ID for IVP-GU.
Press "Paring Button" on the back of an IVP-HU and choose "SCAN" by clicking "left function key" on the IVP-HU. The IVP-HU starts scanning for a new device.

(3) Confirming IVP-GU with a HOME ID.
When IVP-GU is assigned a new HOME ID, beeping stops and LED stops flashing to indicate the normal operation mode.



Handheld Monitor Unit (IVP-HU)

## 7. PAIRING WITH OPTEX WIRELESS2000 SYSTEM

NOTE: Please configure IVP-GU before pairng WIRELESS2000 device.

To connect iVISION+ system to OPTEX WIRELESS2000 devices (e.g. TC-10U) HOME ID must be assigned to IVP-GU prior to pairing.

Gateway Chime Unit (IVP-GU) can be paired with OPTEX TC-10U & TD-20U devices.


TC-10U TD-20U IVP-GU

When paired with TC-10U or TD-20U, following features are available;
- If corresponding Door Camera Unit (IVP-DU) is connected to an external power source, TC-10U or TD-20U can trigger an image capture from the IVP-DU.
- IVP-GU can act as an extra chime unit in WIRELESS2000 system.

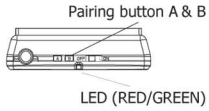
### 7-1 Pairing TC-10U & TD-20U to Gateway Chime Unit

One IVP-GU can host 2 units of TC-10U or/and TD-20U, each into zone 1 and 2. Both zone 1 and zone 2 will be associated to a Door Camera Unit (IVP-DU) which is corresponding to the IVP-GU. In total, one iVISION+ system can host 4 WIRELESS2000 devices through 2 IVP-GUs.

(STEP 1) Clear/initialize IVP-GU for a new pairing of WIRELESS2000 devices

Enter into a pairing mode by holding down B button. LED starts blinking.
Select a zone by pressing B button. Hold down A button until two short beeps sound.
Repeat the same process for another zone if necessary. Exit the paring mode by holding down B button or proceed to STEP3 if pairing immediately.

Zone 1, LED blinks slowly at 1 Hz (Green/Red)
Zone 2, LED blinks fast at 2 Hz (Green/Red)




If a zone of IVP-GU already has an assigned WIRELESS2000 device, the zone will not be overwritten and register another WIRELESS2000 device.
When pairing is denied, rapid beeps will sound.

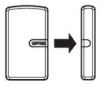
(STEP 2) Prepare IVP-GU into a pairing mode

Enter into a pairing mode by holding down B button.
LED starts blinking. Select a zone by pressing B button.
The pairing mode continues for 30 seconds.

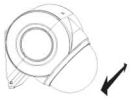
(STEP 3) Send pairing signal to IVP-GU

While the IVP-GU is in a pairing mode for a designated zone, trigger TC-10U or TD-20U to send a radio signal. IVP-GU will register the signal with a chime.
Exit the pairing mode by holding down B button.
LED stops blinking when in a normal operation mode.

NOTE: How to trigger WIRELESS2000 devices


TC-10U

After inserting a battery, remove magnet part of the device away from the TC-10U.


TD-20U

After inserting a battery, wave your hand across front of the TD-20U

(STEP 4) Confirm operation of WIRELESS2000 devices

Trigger the paired WIRELESS2000 device. IVP-GU will blink LED and ring a chime (Sound ON/OFF Switch must be ON). IVP-HU will also respond by a chime sound unless a volume on IVP-HU is set to null. IVP-HU will also capture an image from a corresponding IVP-DU if the IVP-DU is connected to an external power source.

NOTE: Low battery notification of WIRELESS2000 devices

When any paired WIRELESS2000 has a low battery condition,
IVP-GU will make a short beep following a chime sound.
Low battery beep does not sound if the sound switch on IVP-GU is set to OFF.

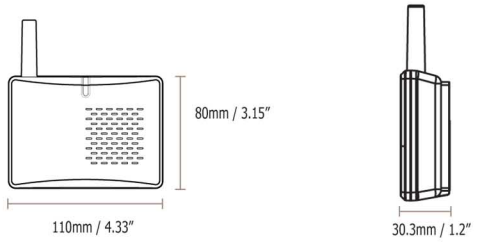
## 8. ADDITIONAL SETTING

To change a chime volume of IVP-GU
– Press button A to acknowledge current chime volume level. Press A button again to change volume level to the next. The volume changes within 4 levels and the lowest volume will follow the loudest. Leave the setting at the desirable volume level.
To completely turn off the chime, set Sound ON/OFF Switch to OFF.

SENSOR ALERT mode Enable/Disable setting
– By disabling SENSOR ALERT mode, iVISION+ system become ignorant of connected WIRELESS2000 devices. This setting is changed by holding "Right Function Key" on a Handheld Monitor Unit(IVP-HU). The LED on IVP-GU indicates the current setting.
When in RED, SENSOR ALERT is Enabled.
When in GREEN, SENSOR ALERT is Disabled

## 9. SPECIFICATION

### 9-1 Dimensions




### 9-2 Specification Table

MODEL NAME: OPTEX iVISION+ (IVP-GU) Gateway Chime Unit

| | |
|---|---|
| Operating Temperature | 0 to 40 degC (32 to 104 degF) |
| Operating Humidity | < 90% RH (no condensation) |
| Dust/Water Protection | N/A (Indoor Use Only) |
| Radiowave Frequency | 2.4 GHz and 418MHz |
| Power | AC/DC 10-24V 3W(max) |
| Relay Output | 1C 50VAC/24VDC 1A max |

## 10. 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-GU.
   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.

**OPTEX CO., LTD. (JAPAN)**
URL: http://www.optex.net/

**OPTEX INC. (U.S.)**
URL: http://www.optexamerica.com/

**OPTEX DO BRASIL LTDA. (Brazil)**
URL: http://www.optex.net/br/es/sec/

**OPTEX (EUROPE) LTD. / EMEA HQ (U.K.)**
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