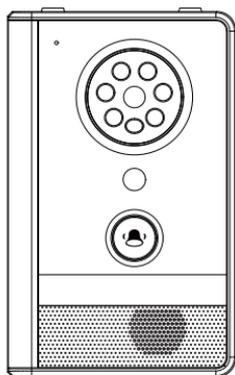


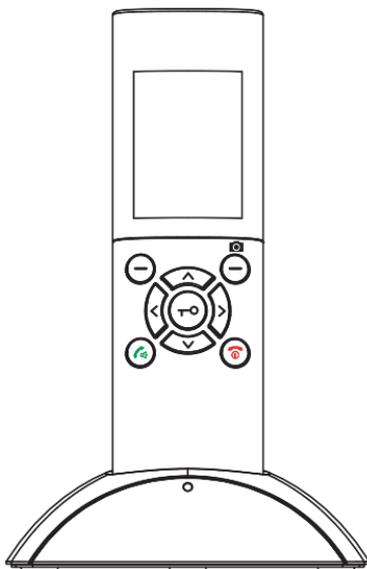
# Wireless Digital Video Doorbell

## User's Manual



**External Camera**

**SFW-001-E**



**Indoor Handset**

**SFW-001-H**



## ■ Remark

*Please follow the user manual for correct installation and testing, if there is any doubt, please call our tech-supporting and customer center.*

*Our company applies ourselves to reformation and innovation of our products. No extra informing for any change. The illustration shown here only used for reference, if there is any difference please take the actual product as standard product.*

# CATALOG

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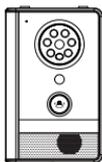
## Product Features

- 2.4" TFT LCD display
- Video resolution: 320x240, with 15 frames per second
- Wide angle lens and LED for night vision
- Long standby door camera (battery or DC 12V)
- Waterproof door camera IP55
- Microphone and speakerphone
- Basic video intercom, monitoring, remote unlock and anti-dismantle alarm feature
- Brightness and talk volume are adjustable
- Supports up to 2 door cameras and 2 indoor handsets
- Transmitting distance: with up to 500m range out of doors
- DIY installation to save labor cost
- PIR function(Optional, DC12V power supply only)

# Package Contents

Once you have unpacked your product, make sure that all the parts shown below are available. If any pieces are missing or broken, please promptly call you dealer.

## Parts of door camera



External Camera  
SFW-001-E



Cable Cover



User's Manual

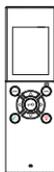


Power Adapter  
(Optional, for PIR function, 12V, 500mA)



Screws

## Parts of indoor handset



Indoor Handset  
SFW-100-H



Lithium Battery



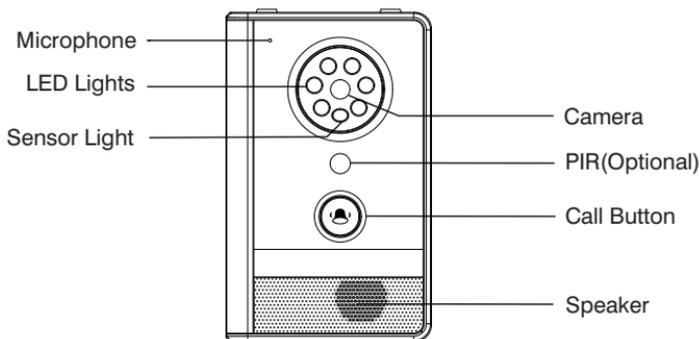
Charger Base



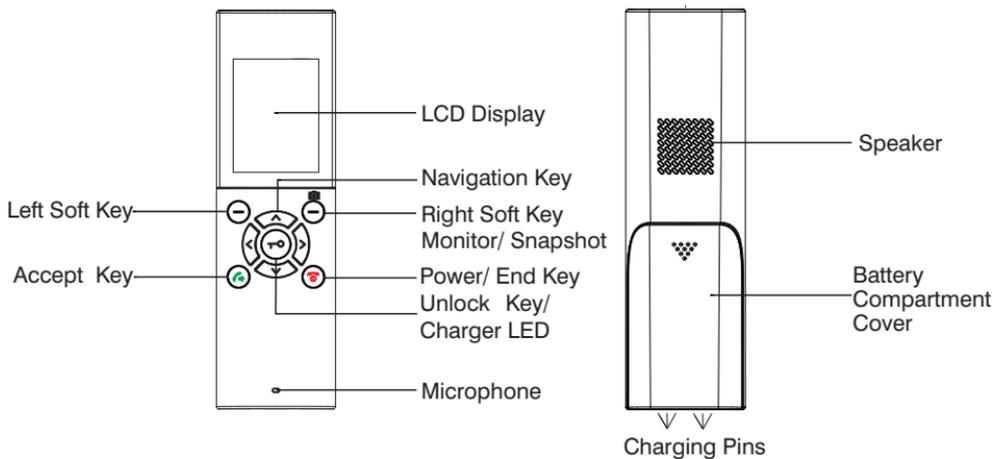
Power Adapter  
(12V, 500mA)

# Product Pictures

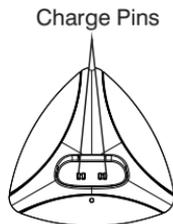
## Door Camera



## Indoor Handset



## Charger

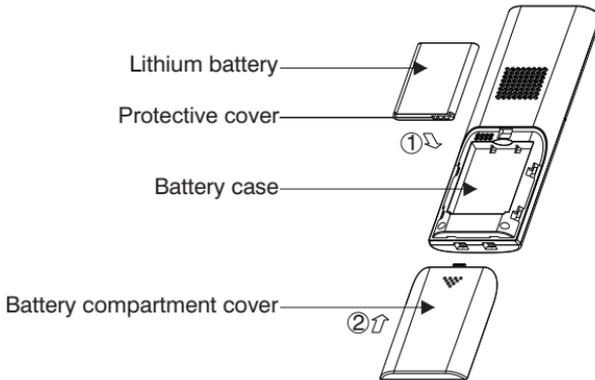


# Installing Batteries

## Indoor Handset

The rechargeable lithium battery (3.7V, 1100mA) come with your indoor handset. Install the battery before use.

1.



2. Insert new battery as indicated, matching correct polarity(+,-).

3. To replace the battery cover, slide the cover up until it snaps in place.

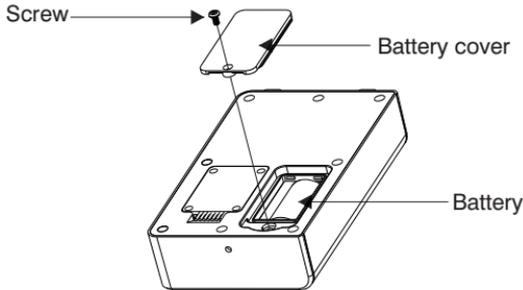
### Notes:

1. To activate battery please remove protective cover from the battery prior to use.
2. The battery need to be replaced if they do not recover their full storage capacities after recharging.
3. When replacing the battery, make sure using good quality re-chargeable lithium battery. Never use other battery or conventional alkaline battery.

## Door Camera

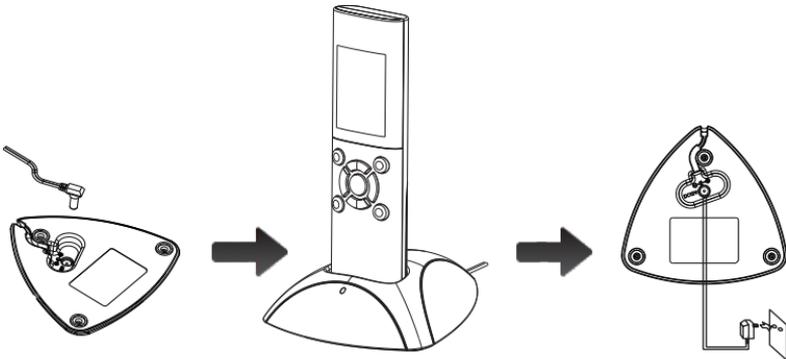
1. Install two C size 1.5V batteries (not supplied) into the battery compartment or connect with DC 12V power adapter to turn on the door camera(PIR for the DC12V independent power supply).

2. Drill one screw to fix the battery cover up.



## Installation Instruction

### Indoor Handset



Connect the modular end of the AC power adapter to the power jack of the charger, then plug the AC adapter into a standard AC wall outlet.

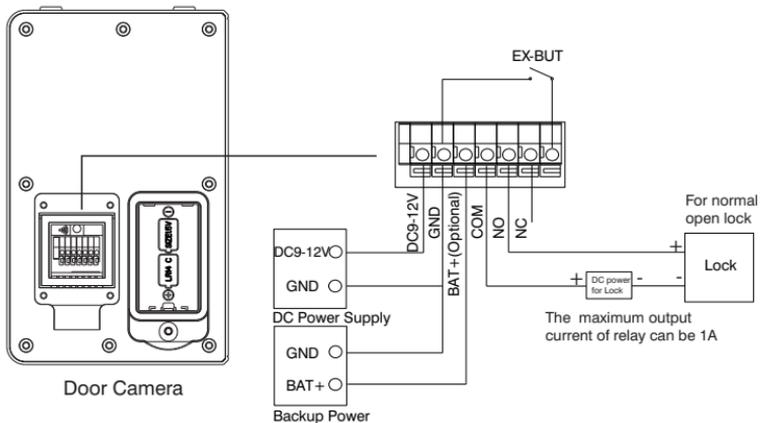
### Charging Indoor Handset

**! Important Note:** Before initial operation, **YOU SHOULD FULLY CHARGE THE INDOOR HANDSET** for about 5 hours.

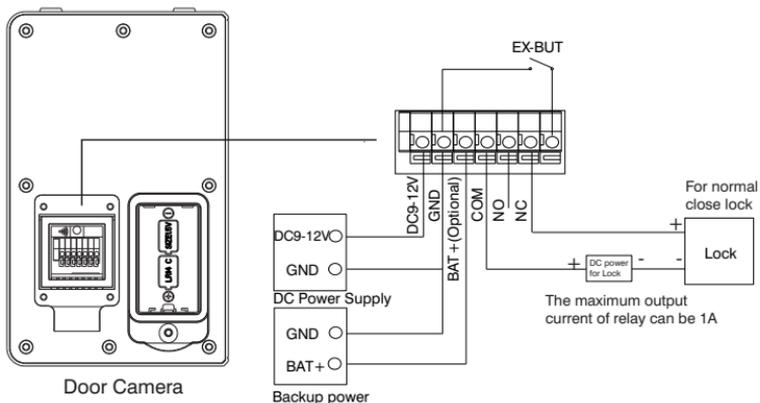
To charge the indoor handset, you should place it on the charger base.

# Diagram

Connection Mode 1



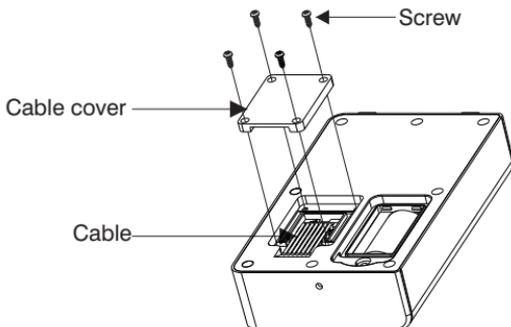
Connection Mode 2



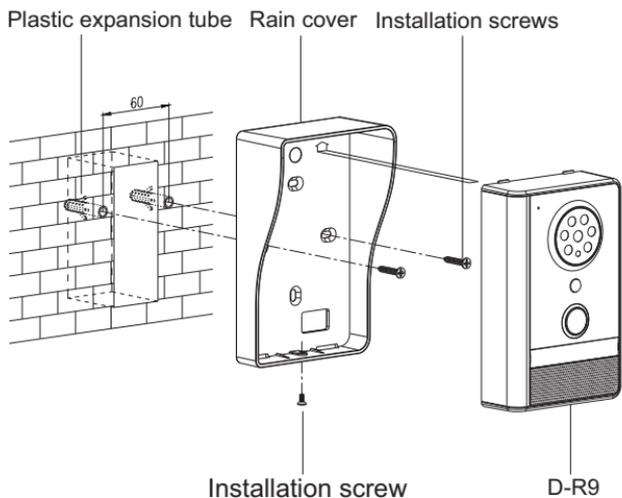
**Note:** The door camera may be powered by the batteries or the power supply (not included). Do not use batteries and power supply together at the same time. If the door camera is powered by power supply, the monitor feature is available. If the door camera is powered by batteries, the monitor feature is not available until the power mode is changed to power consumption mode (see page 20).

## Door Camera

1. After wiring from the connection terminal, tense the cable. Drill the screws on the cable cover of the connection terminal.



2. Choose a proper location for the door camera. Be sure to consider the average height of visitors. Drill screws to fix bracket in the wall. Hang the door camera on the bracket. Drill screws to fix door camera and finish the installation.



# Settings

## Turning On/ Off

To turn on the indoor handset, press and hold .

To turn off the indoor handset, press and hold .

Power on the indoor handset, the system will enter into the following interface:

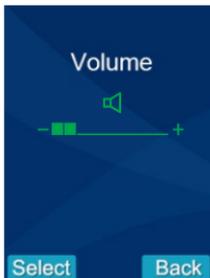


*Note: When the battery power of indoor handset is insufficient, it will display an indication icon  and warning tone. The indoor handset will automatically turn off. You need to charge it.*

Press  to select the **Menu**, then the system will enter into the following interface:



## Chapter 1: Volume

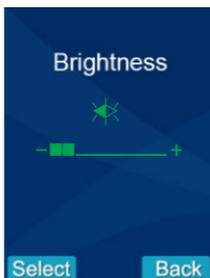


This function allows you to adjust the volume (9 levels are adjustable) during a call.

1. Press **Up** (▲) or **Down** (▼) to choose "Volume" menu, then press (⊖) beneath **Select**.
2. Press **Left** (◀) or **Right** (▶) to select the volume that you like. Each time you press **Left** (◀) or **Right** (▶), the indoor handset sounds with the selected volume.
3. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

*Note: Also, you can use **Left** (◀) or **Right** (▶) key to adjust the volume in the standby mode.*

## Chapter 2: Brightness



This function allows you to adjust the brightness (9 levels are adjustable).

1. Press **Up** (▲) or **Down** (▼) to choose "Brightness" menu, then press (⊖) beneath **Select**.
2. Press **Left** (◀) or **Right** (▶) to select the light level that you like. Each time you press **Left** (◀) or **Right** (▶), the indoor handset displays with the selected light level.
3. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

**Note:** Also, you can use **Up** (▲) or **Down** (▼) key to adjust the brightness in the standby mode.

### Chapter 3: Key Tone



Every time you press a key, your indoor handset acknowledges it with a key tone. You can disable the key tones for a silent use. In certain error conditions, a warning tone will sound when an incorrect key is pressed.

1. Press **Up** (▲) or **Down** (▼) to choose "Key Tone" menu, then press (⊖) beneath **Select** .
2. Press **Up** (▲) or **Down** (▼) to choose **On** or **Off** to enable or disable the function.
3. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

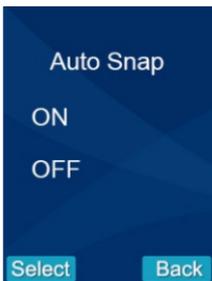
### Chapter 4: Ring Tone



This function allows you to change the ring tone of indoor handset (There are three ring tones for your selection).

1. Press **Up** (▲) or **Down** (▼) to choose “Ring Tone” menu, then press (⊖) beneath **Select**.
2. Press **Up** (▲) or **Down** (▼) to select the ring tone that you like. Each time you press **Up** (▲) or **Down** (▼), the indoor handset sounds with the selected volume.
3. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

## Chapter 5: Snap Set.



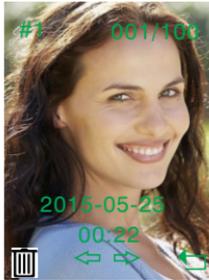
1. Press **Up** (▲) or **Down** (▼) to choose “Snap Set.” menu, then press (⊖) beneath **Select**.
2. Press **Up** (▲) or **Down** (▼) to choose **On** or **Off** to enable or disable the function.
3. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

With this **Auto Snap On**, the camera will take a photo of visitor automatically when visitors press the **Call** button on the door camera. You can pick up this photo easily in the indoor handset.

### Notes:

1. During a conversation the camera can take a photo of visitor if you press the **Snap** key and save it into the indoor handset.
2. During a monitoring, the camera can take a photo of the view if you press the **Snap** key and save it into the indoor handset.
3. Up to 100 photos can be stored in the handset. The previous ones will be removed automatically if the photos are exceeding 100 pieces in the indoor handset.

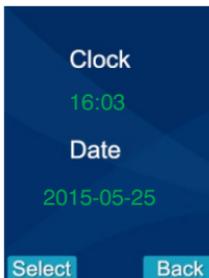
## Chapter 6: Snap Show



You can review or delete the recorded photos under this menu. The door camera's number will also be displayed on the upper left of photo correspondingly.

1. Press **Up** (▲) or **Down** (▼) to choose "Snap Show" menu.
2. Press (⊖) beneath **Select**, press **Left** (◀) or **Right** (▶) to review pictures.
3. If you want to delete the photo, use **Left** (◀) or **Right** (▶) to choose the photo, then press the (⊖) beneath "🗑️", The display will show "🗑️ ? ", press (⊖) beneath "✓" to confirm.
4. After one warning tone, it will display the next photo.
5. Press (⊖) beneath (⏪) to return to the previous menu.

## Chapter 7: Date&Time



1. Press **Up** (▲) or **Down** (▼) to choose “Date&Time” menu, then press (⊖) beneath **Select**.
2. If you want to set the time, you can press **Left** (◀) or **Right** (▶) to choose the Hour or the Minute and press the **Up** (▲) or **Down** (▼) to adjust.
3. If you want to select the date, you can press **Left** (◀) or **Right** (▶) to choose the Year or the Month or the Date, and press the **Up** (▲) or **Down** (▼) to adjust.
4. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

**Notes:**

1. The time format adopt 24-hour time system and the date format is YYYY-MM-DD.
2. The Date & Time must be set in advance to ensure that the time displayed on the indoor handset's pictures are correct.
3. When you replace battery, you must set the time and the date again.
4. The Date & Time setting order is Hour-Minute-Year-Month-Date.

## Chapter 8: Door Set.



1. Press **Up** (▲) or **Down** (▼) to choose “Door Set.” menu, then press (⊖) beneath **Select**.
2. If you want to adjust the volume of door camera, you can press **Up** (▲) or **Down** (▼) to choose volume (9 levels are adjustable), and press **Left** (◀) or **Right** (▶) to adjust.
3. If you want to set the ring time, you can press **Up** (▲) or **Down** (▼) to choose Ring Time (1-30 seconds are selectable), and press **Left** (◀) or **Right** (▶) to adjust.

- If you want to set the unlock time, you can press **Up** (▲) or **Down** (▼) to choose Unlock Time(1-9 seconds are selectable), and press **Left** (◀) or **Right** (▶) to adjust.
- Press (⊖) beneath **Select** to save the settings and return to the previous menu.

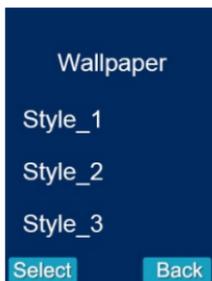
*Note: When there are two indoor handsets connected to one door camera, the setting of these two indoor handsets should be the same.*

## Chapter 9: Language



- Press **Up** (▲) or **Down** (▼) to choose “Language” menu, then press (⊖) beneath **Select** .
- Press **Up** (▲) or **Down** (▼) to choose the corresponding language(0 stands for English,1 stands for Chinese)
- Press (⊖) beneath **Select** to save the settings and return to the previous menu.

## Chapter 10: Wallpaper



You can choose different wallpaper.

## Chapter 11: Version



Press **Up** (▲) or **Down** (▼) to choose “Version” menu, then press (⊖) beneath **Select**. You can check the software version in it.

## Chapter 12: Default set.



This function allows you to reset the indoor handset to the factory default.

1. Press **Up** (▲) or **Down** (▼) to choose “Default Set.” menu, then press (⊖) beneath **Select**.
2. Press **Up** (▲) or **Down** (▼) to choose **YES** or **NO** to enable or disable the function.
3. Press (⊖) beneath **Select** to save the settings and return to the previous menu.

**Result:** After resetting , the indoor handset will return to standby mode.

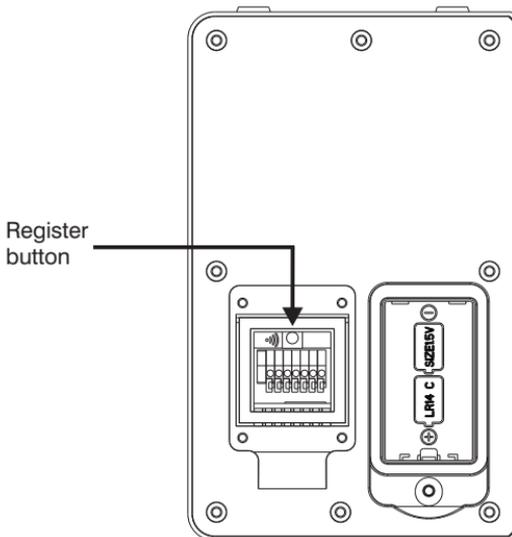
**Note:** If you reset the indoor handset to the factory default, all of settings will be return to the factory default.

# Engineering Mode

## Register

1. Firstly, insert the small screw driver on “” position inside the battery case of door camera for 3 seconds. It will give an indication tone and the backlight of call button will lighten.

Secondly, press  beneath Menu on the indoor handset, select the Register menu, press Up  or Down  to choose one door camera (1-2 are selectable) that you want to connect , and press  beneath “” to confirm the setting. Then the door camera will automatically search for the indoor handset which needs to be registered. When the indoor handset gives an indication tone, it means that it is registered successfully.



2. Pressing  beneath the Menu and then selecting the Register menu, the system will enter into the following interface. It indicates that the indoor handset is registered successfully.



3. If you want to delete the registration, you can press ⊖ beneath 🗑️. The display will show" 🗑️ ?", press ⊖ beneath ✓ to confirm. Press ⊖ beneath ⏪ to return to the main interface.

**Notes:**

1. The registration of door camera can be up to 60 seconds.
2. The registration of indoor handset can be up to 20 seconds.
3. The product can support max. 2 door cameras and 2 indoor handsets.

**Power Saving Mode**

1. If the door camera is battery-powered, the indoor handset cannot enable monitoring function with factory default. Press register button for 3 seconds and make the door camera enter the registration status. Press register button again for 3 seconds. The door camera will give “bi-bi-bi” tone and switch from power saving mode into power consumption mode. Then the monitoring function is available for the indoor handset.

2. In registration status, press register button for 3 seconds. The door camera will beep and switch from power consumption mode into power saving mode. In this case, the monitoring function is unavailable.

3. Function Details of Device in Different Power Supply Modes:

Power By	Monitoring	PIR
PSU	ON	ON
BAT consumption mode(High)	ON	OFF
BAT consumption mode(Low)	OFF	OFF

# Operations

## Monitor

About the monitor function , the LCD will automatically display the corresponding menu according to the registered door camera.

1. In the standby mode, press  beneath **Mon**.
2. When registers one door camera, the indoor handset will directly enter into monitor mode.
3. When registers two door cameras, the LCD will display 1#, 2# Monitor ,and you can press **Up**  or **Down**  to choose the monitor which you need, then press  beneath **Select**.
4. In monitoring mode, press **Accept** key enter into intercom communication.

*Note: The monitor time can be up to 45 seconds.*

## Alarm

When someone takes the door camera apart from the bracket , the door camera and indoor handset will sound an alarm tone, the call button is invalid on the door camera, press  or  to stop alarm sounds.

*Note: The alarm time can be up to 5 minutes.*

## Calling indoor handset

If the visitor press the **Call** button on the door camera, the corresponding indoor handset rings, and the image of the visitor appears on the LCD of the indoor handset, press the **Call** button again to end the conversation.

1. If the household does not want to answer, press  to cancel the call.
2. After the household press , the indoor handset will stop ringing. Then the conversation starts. Press  or **Call** button to end the conversation.

**Notes:**

1. The ringing time can be up to 15 seconds.
2. The conversation can be up to 45 seconds. After 45 seconds, the call will be disconnected automatically.

**Unlocking**

During conversation or monitor status, press  button to unlock the door.

**Backlight**

1. If the door camera is supplied by DC 12V, the backlight of call button is lighted.
2. If the door camera is supplied by battery, the backlight of call button will turn off.
3. In the registering, calling, alarm, monitoring and intercom status, the backlight will flash.

*Note: During call, alarm and monitor status, the door camera is supplied by battery and in power saving mode, the backlight of call button will turn off and not flash.*

## Technical Parameters

Item	Detail
Door Camera	
Transmit Frequency Range	2.4GHz - 2.4835GHz
Data Rate	2.0Mbps
Transmitting Power	19dBm (TYP)
Modulation Type	GFSK
Transmitting Distance(in open area)	about 500m
Image Sensor Type	Color CMOS Image sensor
Image Processing	H.264
Camera Pixels	640*480
White Balance	Auto
Viewing Angle (Diagonal)	120°
LED	6 LEDs
Power Requirement	(+9V-12V)±5%/ 2*LR14(C),1.5V batteries
Power Consumption	500mA Max(Cells) 200mA Max(+12 V DC)
Operating Temperature	-20℃ ~ +55℃
Operating Humidity	20%-80%
Size(W*H*D)	105*167*50mm
No. of indoor handset supported	Max .2
PIR	2.5m*100°

## Technical Parameters

Item	Detail
Indoor Handset	
Receiving Frequency Range	2.4GHz - 2.4835GHz
Monitor	2.4" Color LCD
Data Rate	2Mbps
Receiving sensitivity	-85dBm
Demodulation Type	GFSK
LCD Resolution	320X240(RGB)
Transmitting Power	19dBm (TYP)
Power Requirement	BL-5C, 3.7V ,1100mAh(lithium battery)
Power Consumption	400mA Max
Operating Temperature	-10℃ ~ +55℃
Operating Humidity	20%~90%
Size(W*H*D)	Indoor Monitor:51*152*19.5mm Charger base:123.5*119*37.5mm
No. of door camera supported	Max .2

## Notes

### Maintenance of devices

1. Keep the clearance of the surface and use soft dry cloth to clean the dust of the product.
2. Please turn off the power of indoor handset when clean the indoor handset.
3. If there is hard dirty which cannot be cleaned with dry cloth, please use the soft towel dipped in the neutral diluted detergent to clean the machine and then clear it with dry cloth.
4. Do not use benzene, thinner or organic solvents such as gasoline to clean, these solvents may cause damage to the machine casing or the surface of machine and change colors.

### Matters need to be noticed

1. Read the instructions in this handbook carefully. Be sure to keep it for future reference.
2. Be sure to use only the power adapter and that your power source matches the rating listed for it. If you are not sure, check with your dealer or with your local power company.
3. Avoid strong hits or shocks. Do not use the power adapter if it is has received any hard knocks or looks damaged in any way; immediately contact an authorised service center.
4. The product should be placed where is stable, windy, air-dry, non-sunshine, non strong magnetic and non dusty.
5. Don't clean the surface with chemicals but with soft and clean dry cloth.
6. Don't press several buttons at the same time.
7. The outdoor and indoor unit must be matched with appointed specified models and cannot match with others that are not our products.
8. Don't disassemble the machine without authorization, if the need for fault repair, please contact the distributors or the company's tech-supporting department.