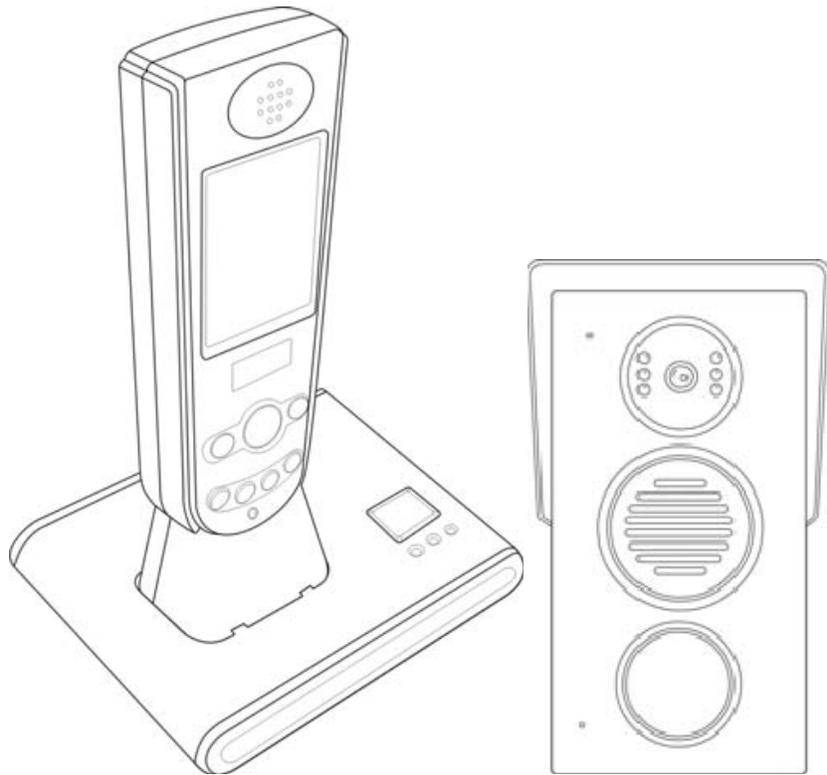


BRASH IMPORTS

DIGITAL WIRELESS VIDEO DOOR PHONE SYSTEM

MODEL: 7486DWL,7130DWL,7310 DWL



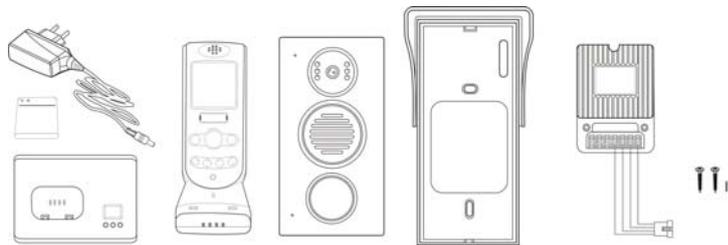
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I. CAUTIONS

1. **Shock Hazard**--to prevent fire or shock hazard, do not expose the unit to rain, moisture or other liquid and do not overload the power cord.
2. **Instructions**--Read and keep the instructions-all safety and operating instructions should be read and followed before the unit is operated
3. **Power Sources** -- This equipment should be operated only from the type of power source indicated on the marking label and the power cord protection is needed.
4. **Servicing and Replacement of Parts** -- Do not attempt to service this product or replace any part inside by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. **Lightning** -- For added protection for this product before a lightning storm, or when it is left unattached and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power-line, telephone-line, RF cable and Actuator/Polarization surge protectors to protect your system from possible damage.
6. **Move with Care**-- This product is easy for damage, care for it during transportation, storage and installation.

II. PACKING LIST



(Image 1)

Standard	
● Monitor 7486 DWL	1
● Camera United 7130 DWL	1
● Camera United Power Suuplier 7310 DWL	1
● Monitor Charger	1
● Monitor Charger Power Supplier	1
● Mannual	1
● Accessory Bag	1
● 2M 4 wire cable	1

Monitor Alone :	
● Monitor 7486 DWL	1
● Monitor Charger	1
● Monitor Charger Power Supplier	1
● Mannual	1

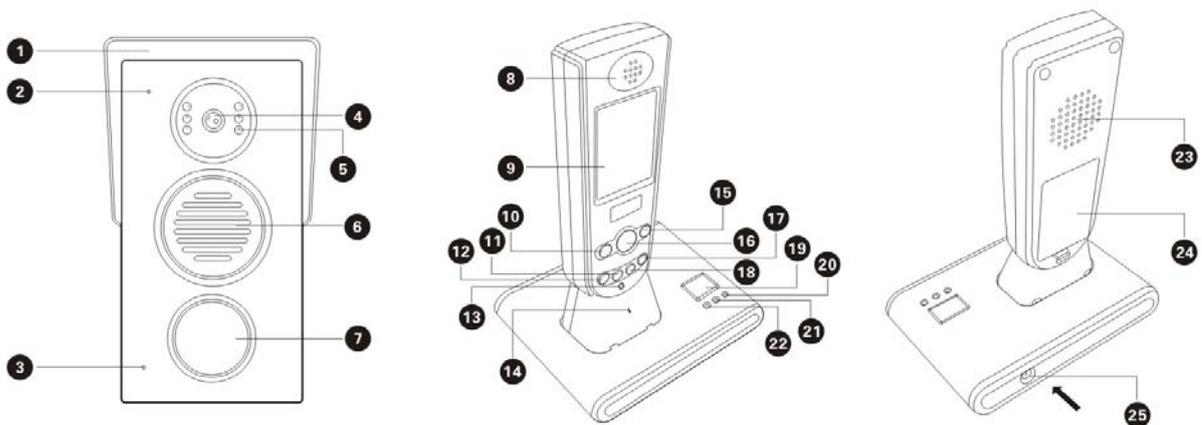
Camera Unit Alone	
● Camera United 7130 DWL	1
● Camera United Power Suuplier 7310 DWL	1
● Mannual	1
● Accessory Bag	1
● 2M 4 wire cable	1

III. SYSTEM FEATURES

1. Maximum 2 cameras and 2 monitors same time in a system.
2. Choosing 2.4G ISM digital public frequency resource: 2402~2483.5MHz.
3. Transmitting at 20dBm, Receiving -100dBm;
4. With 8~12 digital audio serial input, DAC output, 8K audio acquisition for good audio quality. And audio volume presettable in 4 levels.
5. MJPEG digital video coding and decoding, 10~15 frames per second.
6. Reliable audio/video communication distance 150m in open area.
7. With AFH auto frequency jumping technology, working with 2.4G WIFI and blue tooth same time.
8. With auto sleeping mode, saving battery consumption in stand by status.
9. With external power supplier for camera units DC3.6-6V, with this consideration, the lock can not be open from outside camera unit, but signal from monitor.
10. Random 40 bit encryption for digital audio and video to secure the communication.
11. Random communication channel jumping and synchronization, no interference from same products installed nearby.
12. With communication, monitoring and remote lock opening functions.
13. Permitting monitor to monitor communication, like walkie talkie features.
14. Digital camera and digital 2.4 inch TFT LCD in the system for good image quality.
15. With self owned core technology, providing continuous software upgrading without changes on hardware.

IV. USER INSTRUCTIONS

I). PRODUCT GUIDE



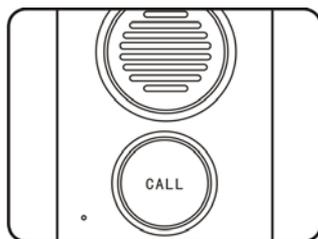
(Image 2)

- | | |
|--|--|
| 1— Rain Shelter; | 16— Communication On/Off Button; |
| 2— Working Indicator for Camera Unit (Blue Color); | 17— Audio Volume Setting Key; |
| 3— Microphone; | 18— Color Setting Key; |
| 4— Camera; | 19— Desk Top Talking On/Off Button; |
| 5— Infrared Led; | 20—  Battery Ready Indicator(Green); When battery is in charged full, this indicator is constantly On; |
| 6— Speaker; | 21—  Battery Charging Indicator(Yellow): When battery is in charge, this indicator is constantly On; |
| 7— Call Button; | 22—  Desk Top Talking Indicator(Red): When a monitor placed on charger is called from camera unit, this indicator is constantly On; |
| 8— Earphone Speaker; | 23— Handfree Talking Speaker; |
| 9— Image Display LCD; | 24— Battery Cover; |
| 10— Monitoring On/Off Button  | 25— DC Power Jack; |
| 11— Brightness Setting Key; | |
| 12— Music Setting Key; | |
| 13— Monitor Working Indicator (Blue); | |
| 14— Microphone; | |
| 15— Door Release Button  | |

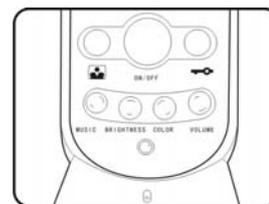
II). FUNCTIONS

1. VISITOR CALL

1). When a visitor presses the "Call" button on the outside camera unit to call the monitors, the camera unit will have continuous "DU-" "DU-"chime, and the called monitors sound "Call Music" with blue LED indicating the call and display the visitor's image on LCD.



(Image 3)



(Image 4)

If the call is not connected with monitors within 4S, the camera unit will sound continuous "DU-" "DU-" "DU-" "DU-" and return to standby.

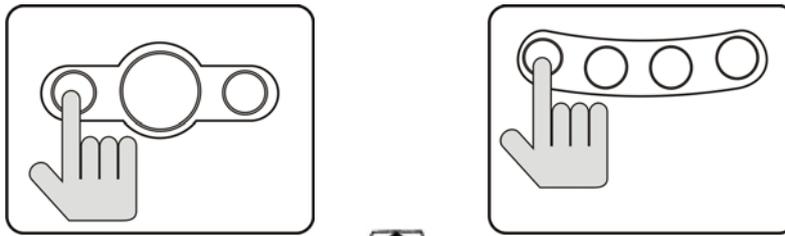
Upon viewing the monitor's LCD screen and the visitor's image, you have two choices;

A. You can choose to "not respond"(by not pressing (ON/OFF) button, the call will be ended in 50S.

B. You can choose to "respond" by pressing (ON/OFF) button to start a voice communication. Each voice communication last maximum 60S.

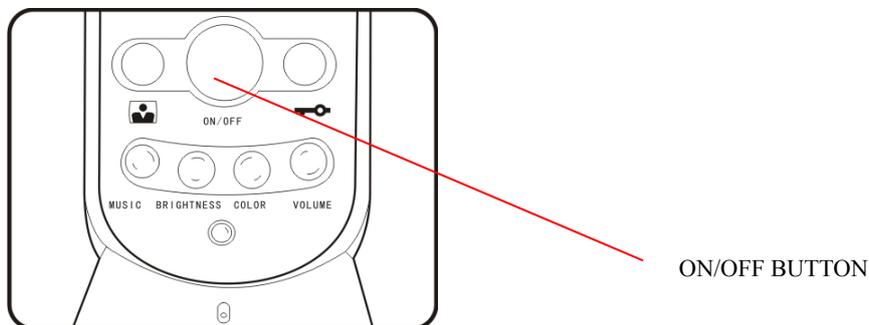
During the communication, you can press lock release button () to release the lock or press (ON/OFF) to end the call.

2. MONITORING



Under standby status, you can press monitoring button () to view the video from camera unit No 1, and press music setting key to switch video from camera unit No 1 to No 2 if any. See above images. The monitoring time last 60S for maximum.

3. MONITOR CALL MONITOR



(Image 7)

Under standby status, you can press (**ON/OFF**) button to call another monitor if any. If the other monitor receive the signal and response by pressing (**ON/OFF**) button, a voice communication is established. This communication last 60S for maximum.

V. SYSTEM SETUP

1). CODING PROCESS

If your system has only one monitor and one camera unit, you do not need coding process. The IDs have been existing with monitor and camera unit before ex-factory. This process is only needed for following cases:

1. The units do not recognize each other under extremely rare circumstances, such as lightening;
2. You need to increase monitor or camera unit to existing system.

Recoding for Existing Camera units and Monitor:

Step 1: Assume a monitor (No 1 monitor for example) as the system master, press Brightness key and  button same time while in standby status until “Monitor Working Indicator”light up constantly , the master will be in Coding status.

Step 2: Constantly press “CALL” button on camera unit until a “Di-”sound, the camera unit will be in coding status.

Step 3: With in 16seconds, if both monitor and camera unit sound “Di-” “Di-” “Di-”, that means coding success, the units will return standby status automaticaly. If the coding fails, the both units only sound “Di-”, also return standby status automaticaly.

Increase Monitor or Camera Unit:

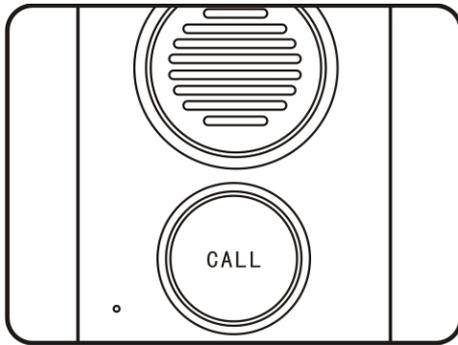
Step 1: Press Brightness key and  ton same time while in standby status until “Monitor Working Indicator” flicks , the master is ready to code the new devices to existing system.

Step 2: Press Brightness key and  ton on the 2nd monitor same time while in standby status until “Monitor Working Indicator” flicks , the monitor is ready for coding to the existing system.

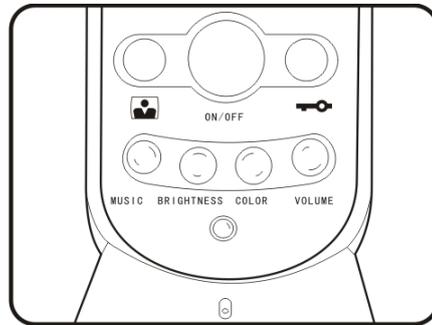
With in 16seconds, if the both monitors sound “Di-” “Di-” “Di-”, that means coding success, the monitors will return standby status automatically. If the coding fails, the both monitors only sound “Di-”, also return standby status automatically

Step 3; Constantly press “CALL” button on camera unit until a “Di-” sound while the master is in coding status. With in 16seconds, if both master and camera unit sound “Di-” “Di-” “Di-”, that means coding success, the units will return standby status automatically. If the coding fails, the both units only sound “Di-”, also return standby status automatically.

For security consideration, each camera unit only has one chance for coding !



(Image 8)



(Image 9)

2). CALL MUSIC SETUP

.While the monitor is in standby status, if press the Music Setting Key for 3 seconds (image 10), you can start to select “Call Music” by press  button, there is a “Call Muange each time you press  button. You can press confirm  “Call Music” by press “ON/OFF” button (Image 11). There are totally 12 optional musics stored in monitor.

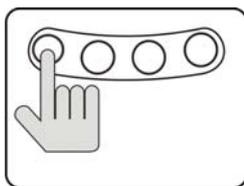
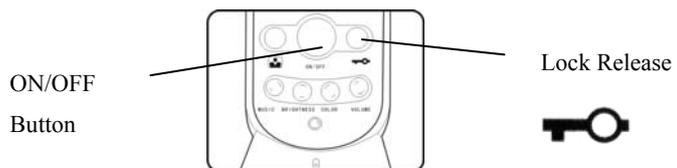


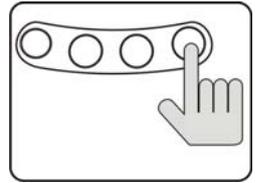
Image 10)



(Image 11)

3). VOICE VOLUME SETUP

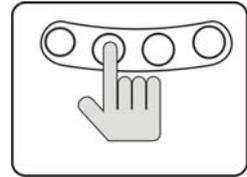
While the monitor is in Communication status, you can press “Voice Volume Setting Key” (Image 12) to set the monitor’s voice volume. The voice volume increases each level after one pressing, but it will return to the lowest level after one pressing if the volume has been in the highest level. The alteration cycle is: 1→4→1.



(Image 12)

4). BRIGHTNESS SETUP

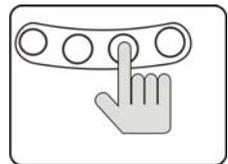
While the monitor is in Communication status, you can press “Brightness Setting Key” (Image 13) to set the monitor’s display brightness. The brightness increases each level after one pressing, but it will return to the lowest level after one pressing if the brightness has been in the highest level. The alteration cycle is: 1→8→1.



(Image 13)

5). COLOR SETUP

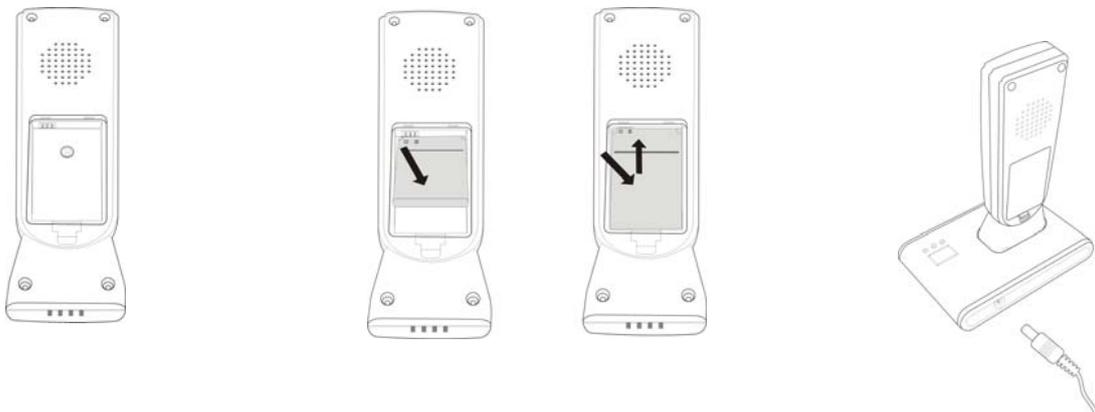
While the monitor is in Communication status, you can press “Color Setting Key” (Image 14) to set the monitor’s display color. The color increases each level after one pressing, but it will return to the lowest level after one pressing if the color has been in the highest level. The alteration cycle is: 1→5→1.



(Image 14)

VI. SYSTEM INSTALLATION

1) . MONITOR(S)



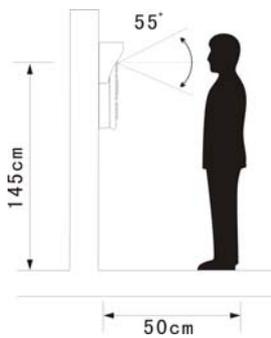
(Image 15)

There is no need for the installation for monitor(s), please start the monitor(s) according to following steps:

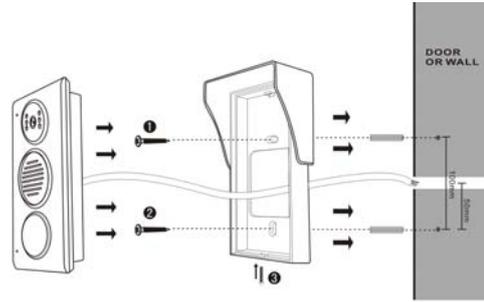
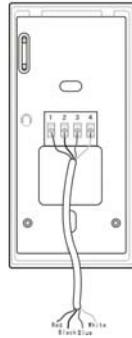
1. Insert battery(s) to the monitor(s) , Image15;
2. Put the monitor(s) on to the monitor charger(s);
3. Connect monitor charger(s) to AC power;

The monitor(s) will be functioning when the battery is charged properly.

2) CAMERA UNIT(S)



(Image 16)

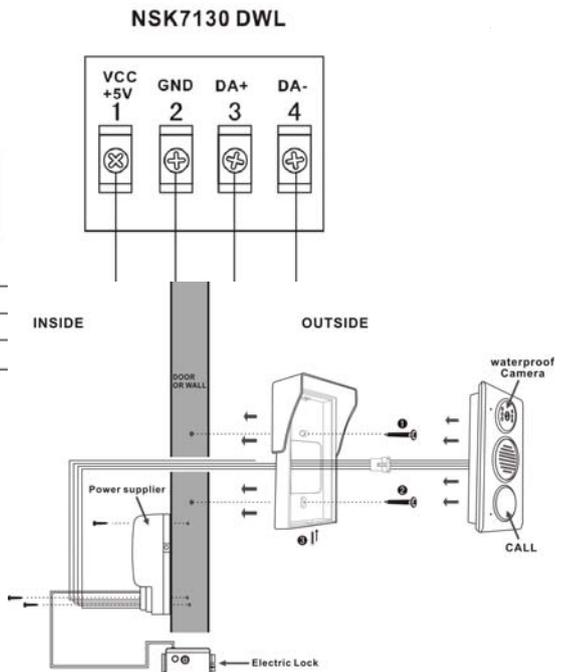
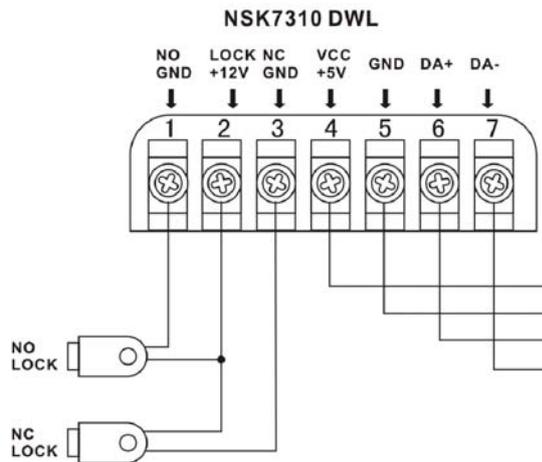


(Image 17)

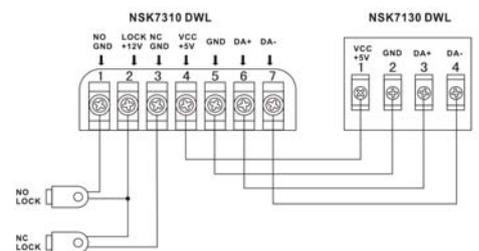
Camera unit 7139DWL is a surge mounting device. The installation steps are:

1. Choose a proper place on door or on side of door, that is about 145cm from the ground. Drill two ϕ 8mm holes with depth more than 50mm. The two holes need to be lined verticaly and apart 100mm. Dill another ϕ 10mm through hole

WIRING DIAGRAM



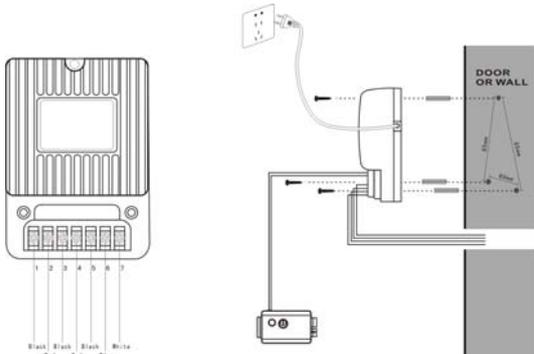
WIRING DIAGRAM



(Image 21)

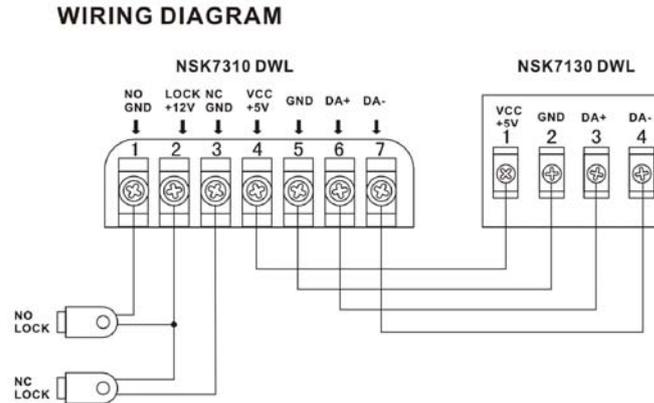
(Image 20)

3) . WIRING



Terminal 1, 2, 3 of power supplier are for lock connection. Terminal 1 and 2 are used for 12V, NO (Normaly Open) locks, say giving power to open, such as punching locks. Terminal 2 and 3 re used for 12V, NC (Normaly Closed) locks, say breaking power to open, such as elcteo-maganetic locks.

Terminal 4, 5, 6, 7 of power supplier connect to terminal 1, 2, 3, 4of camera unit, the definitions are:VCC+5V, GND, DATA+. DATA-.



(Image 22)

VII. SPECIFICATIONS

1. PRODUCTS

	7486 DWL	7130 DWL	7310 DWL
Voltage Requirements	3.7-4.2V	4.8-5.2V	Input: 100V—240V, 50 Hz / 60Hz Output: 1599mA, DC5V/12V
Current	Standby: 20mA, Working: 300mA	Standby: 100 mA, Working: 250mA	
Connection Method	Wireless	Wireless	4 wire
Monitor Screen	2.4" TFT LCD		
Camera		1/3" digital	
Communication	2.4G ISM	2.4G ISM	Serial Port
Call Tone	12 optional music		
Communication Duration	60S	60S	Continious
Communication Distance	150M in open area	150M in open area	10M
Operating Temperature	-10--50°C	-10--50°C	-10--50°C
Storage Temperature	-20--70°C	-20--70°C	-20--70°C
Weight	360G	385G	430G
Dimensions (mm)	17.x55x25mm	200x110x40mm	116x86x50mm

2. CHARGER ADAPTER

Input Power: AC100V~220V Frequency: 50/60

Output: DC9V ±0.2V 1000mA

3. ACCESSORIES

Name	Specifications	Qty	Application
Manual		1	
Screw Insertion	8mmX28mm	5	Fix rain shelter and power7310DWL
Screw 1	4mmX18mm	2	Fix rain shelter
Screw 2	4mmx40mm	3	Fix power 7310DWL
Screw 3	3mmX8mm	1	Fix camera unit to rain shelter
Connecting Cable	4wire 2.0M	1	Connect 7130DWL to 7310DWL
Battery	54mmX34mmX4.6mm, 3.6V, 600mAh	1	For Monitor(s)