

Model : GD8107

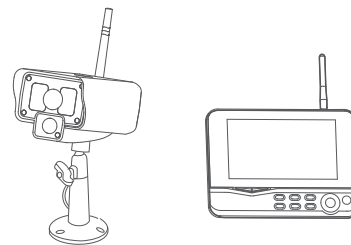
EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



USER MANUAL

4CH Digital Wireless Security System



Model GD8107

Version 1.7

Please read this user manual carefully before using this product. Failure to understand operation procedures may result in injury.

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For 8105JM and 8107JM, the camera has IR-cut function and image effect is better than 8104JM.

Welcome

This product is a household monitoring recording device. It consists of four cameras installed at entrances/exits of the home and one DVR receiver with a 7-inch LCD monitor. The four-split screen of the receiver can display the monitoring pictures of four accessed cameras. In addition, the infrared sensing alarm function of human body is available. Thus, a household closed monitoring system is presented.

Features

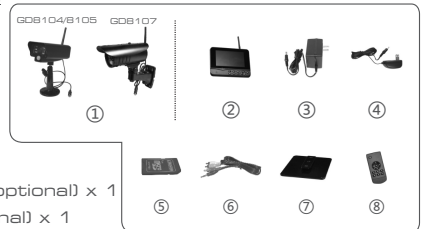
- 4CH digital wireless camera & DVR system;
- Simple installation- no cables required;
- Total digital wireless, no interferences, no privacy leak;
- 7" LCD monitor with integrated video recorder;
- Support up to 32GB SD card or external mobile disk by USB2.0 (up to 1TBmobile disk);
- Support 4 cameras/ 24hours /7days non-stop overwrite recording;
- Multiple recording modes: manual,schedule, and motion activated;
- 15m night vision range (only for 8107JM);
- Video quality: 4CH VGA 10fps, 1CH VGA 30fps;
- Weather proof outdoor cameras with 300m/1000ft transmission open range;
- Video output function for bigger monitor.
- IR-cut function. (only for 8105JM and 8107JM)

⚠ Please know that this monitor is not a PC, so some of the memory devices may not work on this monitor.

Packing List

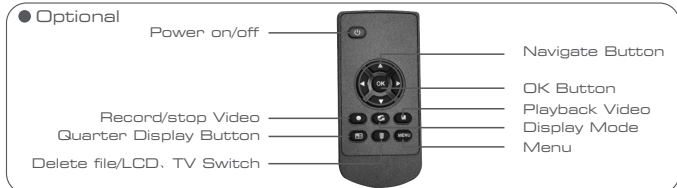
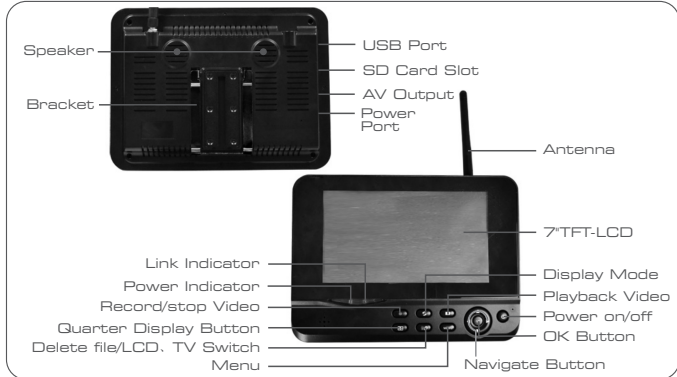
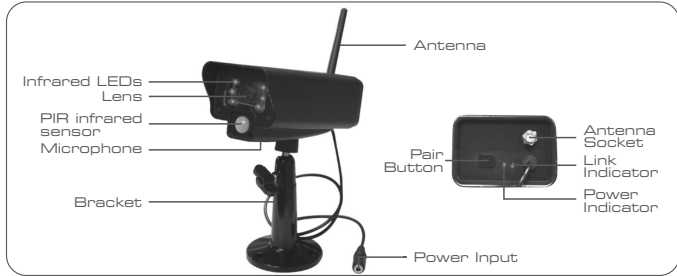
* Only one camera included in the package.

- ① Camera x 4
- ② 7" TFT LCD Monitor x 1
- ③ Adapter x 1
- ④ Adapter x 4
- ⑤ SD Card (optional) x 1
- ⑥ AV Output Cable x 1
- ⑦ Bracket for Monitor (optional) x 1
- ⑧ Remote control (optional) x 1



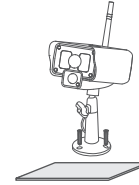
* The pictures are for reference only, please refer to real subjects.

Structure

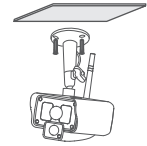


Installation

1. Install the camera at the proper monitoring location. The camera can be installed in two modes:

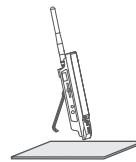


① Upright installation:
Install the camera on a level plane.



② Reverse installation:
Install the camera in the ceiling.

2. Install the receiver at a proper location. This receiver is provided with two kinds of brackets, so it can be installed in two modes:



① Positioned on a level plane



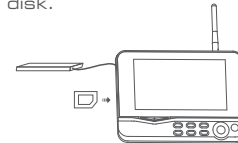
Use screws to fix the bracket to the wall.



Clamp the receiver on the bracket

② Mounted to the wall

3. Insert the SD card or connect an external storage device, such as a mobile hard disk.



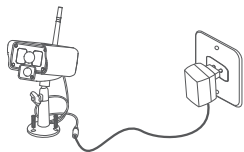
Note:

1. It doesn't support hot plugging of SD card or external storage device.
2. The external mobile disk/SD card should be in format of Fat32.
3. Please format the SD card or external mobile disk if they have been used on other device.

Operations

● Basic operations

1. Connect the camera to the power supply. The power Indicator on the back is turned on:



2. Connect the receiver to the power supply.

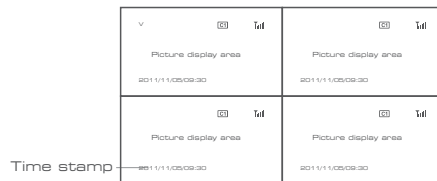


3. Press the power switch (⏻) on the receiver for 2s. or press the power switch (⏻) on the remote control (direct the remote control toward the receiver). The power indicator is turned on and the power-on picture appears.



4. Pair the cameras and receiver respectively (at most four cameras can be connected at the same time). Pairing is completed by default before delivery. If pairing is not completed, complete pairing according to "Pairing" on page 16.

5. After successful pairing, the following real-time monitoring picture appears:



6. Press the (⏻) button to switch between four display modes:



Four pictures



One picture



One large picture and three small pictures



One large picture and three small picture

7. Press the (⏻) button to enter cyclic mode display. Five cyclic intervals are available: 5s, 10s, 15s, 20s, and 30s and can be set under "System".

Meanings of icons on the real-time monitoring picture:

	Mobile hard disk inserted successfully		Current camera
	SD card inserted successfully		Recording status
	Camera name		Signal intensity

● Video recording

◆ Manual Recording:

1. In the real-time monitoring status, press the ◀ and ▶ buttons to select the camera for video recording as the current camera.
2. Press the recording/stopping (⏸) button on the device.
The recording icon (📹) is displayed on the screen, indicating that recording starts.
3. Press the (⏸) button on the device again to stop recording.

◆ Timer Recording:

Set the recording start/stop time through the "Timer Recording" menu. The device automatically records according to the set start/stop time. After recording, it automatically saves the video. Specific steps are as follows:

1. Press the MENU button to enter setting interface;
2. Press the ◀ or ▶ button to select "Record" and press the OK button to enter;
3. Press the ▲ or ▼ button to select "Timer Recording" and press the OK button to enter;
4. Press the ▲ or ▼ button to select "New Schedule" and press the OK button to enter:

Timer Recording	
Camera	All Cameras
Date	11/6/2012 Tue
Start Time	00 : 00
End Time	00 : 00
OK: Options MENU: Quit	

Press the ▲ or ▼ button to select;
Press the ◀ or ▶ button to adjust;
Press the OK button to confirm and exit;

5. After setting, the device automatically records according to the set start/stop time.

◆ Motion Detection Recording:

If there is object motion detected by any accessed camera, recording can be triggered. The specific steps are as follows:

1. Press the MENU button to enter the setting interface;
2. Press the ◀ or ▶ button to select "Record", press the OK button to enter;
3. Press the ▲ or ▼ button to select "Motion Detection", press the OK button to enter;
4. Press the ▲ or ▼ button to select camera;
5. Press the OK button to enter;
6. Press the ▲ or ▼ button to select item;
7. Press the ◀ or ▶ button to adjust;
8. Press the OK button to confirm and exit.

* When "Off" is set, object motion detection function is turned off.

◆ PIR Recording:

If there is human motion detected by any accessed camera, recording can be triggered. The specific steps are as follows:

1. Press the MENU button to enter the setting interface;
2. Press the ◀ or ▶ button to select "Record", press the OK button to enter;
3. Press the ▲ or ▼ button to select "PIR Recording", press the OK button to enter;
4. Press the ▲ or ▼ button to select the camera;
5. Press the ◀ or ▶ button to select "On";
6. Press the OK button to confirm and exit.




* When "Off" is set, human motion detection function is turned off.

* The infrared sensing distance of PIR is 5 m. If the distance exceeds 5m, sensing may fail.

Remarks:

1. If the video recording time is longer than 5 minutes, a video file will be automatically saved every 5 minutes.
2. Multiple channels (four channels at most) recording at the same time is supported. The recorded videos of each channel are saved in an independent video folder.

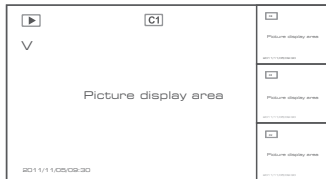
● Playback



1. In the real-time status, press the  button to enter playback interface;
2. Press the  or  button to select the folder;
3. Press the OK button confirm and enter:

```




/mnt/usb/rec/20121107    2/5
.. (up)                <DIR>
C1.00-05                <DIR>
C2.06-11                <DIR>
C2.00-05                <DIR>
C3.06-11                <DIR>
C4.00-05                <DIR>
'OK':Play  'Del':Delete
    
```

4. Press the  or  button to select video;
5. Press the OK button to playback:



Press the  /  button to go backward/forward fast; press the OK button again to pause; press the MENU button to quit the play mode.

● Delete Video

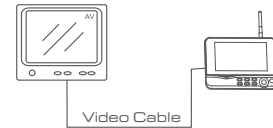
1. In the video playback mode, press the  and  buttons to select the video or video folder to be deleted.
2. Press the  button on the device to delete it.

Remarks:

Only the empty folder can be deleted.

● Video Output

You can connect the receiver to a larger monitor/TV to monitor video more clearly.





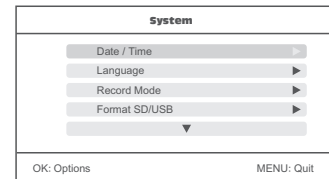
Press the  button to switch display between the monitor/TV and the receiver.

System Setting

In the real-time status, press the MENU button to enter the following interface:



Press the  or  button to select "system" and then press the OK button to enter the system setting interface:



Date / Time	Sets the system time and date.
Language	Sets the system language.
Record Mode	Sets to stop recording or overwrite the earliest video record when the storage medium is full.
Format SD/USB	Sets whether to format the storage medium.
Storage for Recording	Selects the storage medium.
Display Items	Sets whether to display RSSI, SD/USB Status and Camera on the screen and the recorded video.
TV System	Selects a system.
System Information	Views the system information.
System Update	For software upgrade.
Scan Mode Period	Sets the cyclic display interval of monitoring picture on the camera.
Mute	Turns on/off the speaker on the receiver.
Load Default	Sets whether to restore default settings.
Brightness	Adjusts brightness of the LCD screen.
Volume	Adjusts the sound.
Alarm Volume	Adjusts the alarm volume.
Power Saving Mode	Adjusts power saving mode.

Press the ▲ or ▼ and buttons to select an option, and then press the OK button to confirm.

● Date, time

Press the OK button to enter:

Date / Time

Date

2011 / 11 / 05

Time

23 : 11

OK: Options
MENU: Quit

Press the ◀ or ▶ button to select;
 Press the ▲ or ▼ button to adjust;
 Press the OK button to confirm;
 Press the MENU button to exit.

● Language

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select language and then press the OK button to confirm and exit.

● Record Mode

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select "Normal" or "Overwrite" and then press the OK button to confirm and exit.

Remarks:

Normal: When the SD card or the mobile hard disk is full, the system stops recording automatically.


Overwrite: When the SD card or the mobile hard disk is full, the system automatically deletes the earliest videos and reserves a sufficient storage space to guarantee this recording.

● Format SD/USB

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select "Cancel", "SD Card" or "USB Device";
 Cancel: Cancels formatting.
 SD Card: Formats the SD card.
 USB Device: Formats the USB device.
3. Press the OK button to format:

Format SD / USB

Formatting, please wait....











OK: Options
MENU: Quit

4. After formatting, the system prompts "Format Successfully", indicating that formatting succeeds.

● Storage for Recording

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select "SD Card" or "USB Device";
3. Press the OK button to confirm and exit.

● **Display Items**

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select;
3. Click the OK button to confirm whether to display this item.
If this item is displayed, the  icon appears behind this item.
RSSI: Signal intensity icon, icon  :
SD USB status: Whether the SD card or mobile hard disk is inserted, icons   :
Camera: Camera name, icons     :
4. After setting, press the MENU button to confirm and exit.


● **TV System**

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select;
3. Press OK button to confirm and exit.

● **System Information**

1. Press OK button to enter and view;
2. Press the MENU button to exit.

● **System Update**

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select;
3. Press OK button again to adjust;
4. Press  button to confirm and exit.

● **Scan Mode Period**

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select;
3. Press OK button again to confirm and exit.

● **Mute**

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select "On" or "Off";
3. Press the OK button again to confirm and exit.

● **Load Default**

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select "Cancel" or "OK";
Cancel: Cancels restoration of default settings.
OK: Restores default settings.
3. Press the OK button to confirm and exit.

● **Brightness**

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to adjust;
3. Press the OK button to confirm and exit.

● **Volume**

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to adjust;
3. Press the OK button to confirm and exit.

● **Alarm Volume**

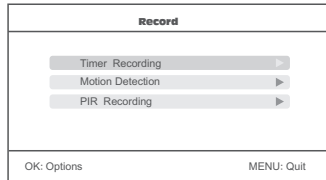
1. Press the OK button to enter;
2. Press the ◀ or ▶ button to adjust;
3. Press the OK button to confirm and exit.

● **Power Saving Mode**

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select "Time Interval" or "Wake up on Motion"
3. Press the OK button to enter;
4. Press the ▲ or ▼ button to select;
5. Press the OK button to confirm and exit.

Record

1. In the real-time status, press the MENU button to enter the following interface:
2. Press the ◀ or ▶ button to select "Record";
3. Press the OK button to enter:



● **Timer Recording**

Set the recording start/stop time. The device automatically records according to the set start/stop time. After recording, it automatically saves the video record. For specific steps, see Page 07.

● **Motion Detection**

If there is object motion detected by any accessed camera, recording can be triggered. For specific steps, see Page 08.

Note: When there is alarm sound, you can press the Delete button on the panel to mute it

● **PIR Recording**

If there is human motion detected by any accessed camera, recording can be triggered. For specific steps, see Page 08.

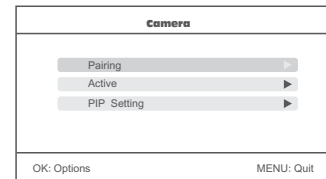
Note: When there is alarm sound, you can press the Delete button on the panel to mute it

Playback

For specific steps, see Page 08.

Camera

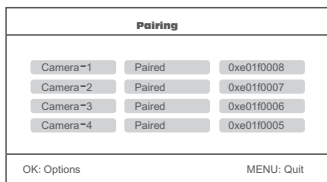
1. In the real-time status, press the MENU button to enter the following interface:
2. Press the ◀ or ▶ button to select "Camera";
3. Press the OK button to enter:



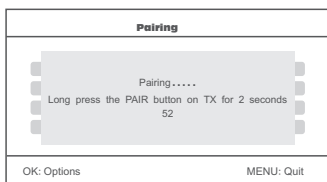
● Pairing

After pairing, the camera is not affected by interference of other frequencies.

1. Press the ▲ or ▼ button to select "Pairing", press the OK button to enter:



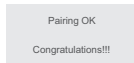
2. Press the ▲ or ▼ button to select camera;
3. Press the OK button to pair:



4. Within 60s, press the Pairing button on the back of the camera for 2s.



5. After successful pairing, the receiver screen displays the following information:

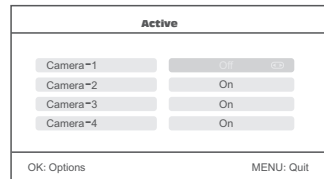


Remarks:

If pairing fails, the system prompts "Pairing failed". Please perform pairing again.

● Active

1. Press the ▲ or ▼ button to select "Active", press the OK button to enter:



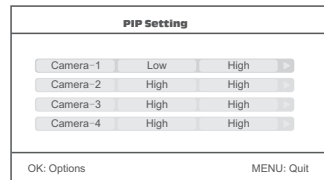
2. Press the ▲ or ▼ button to select the camera;
3. Press the ◀ or ▶ button to select "On" or "Off";
4. Press the OK button to confirm and exit.

Special note: When "OFF" is set, the camera does not have any action, such as monitoring picture display, recording, or automatic alarm.

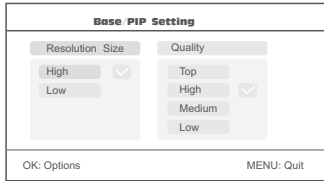
● PIP Setting

Set the resolution and pixels for the recorded video.

1. Press the ▲ or ▼ button to select "PIP Setting", press the OK button to enter:



2. Press the ▲ or ▼ button to select the camera;
3. Press the OK button to enter the following interface:



Press the ◀ or ▶ button to select “Resolution Size” or “Quality”;
 Press the ▲ or ▼ button to select “Top”, “High”, “Medium” or “Low”;
 Press the OK button to adjust;
 Press the MENU button to confirm and exit.

Alarm Setting

Here, you can set whether to send an alarm automatically when any motion detected by the camera:

1. In the real-time status, press the “MENU” button to enter setting interface;
2. Press the ◀ or ▶ button to select “Alarm”;
3. Press the OK button to enter;
4. Press the ▲ or ▼ button to select “Motion Detection” or “PIR Detection”;
5. Press the OK button to enter;
6. Press the ▲ or ▼ button to select “Off” or “On”;
7. Press OK button to confirm and exit.

Specifications

Items	B104JM	B105JM	B107JM	
Imaging Sensor	1/5-inch color CMOS			
Video Resolution	656 x 488			
Viewing Angle	70°	50°		
Power Supply	5V			
Camera	Consumption Current (Max.)	400mA	600mA	
	Waterproof Capacity	IP54	IP66	
	Night Vision Distance	5m (Max.)	15m (Max.)	
	Dimensions(W x D x H)	131 x 63 x 58(mm) (exclude bracket)	164 x 81 x 72(mm) (include bracket)	
	Approx. Weight	282g	615g	
			7" TFT LCD	
Monitor	LCD Screen Resolution	800*480		
	SD Card	Supports to 32GB		
	Hard Disk	Supports to 1TB		
	Video Frame Rate	30fps (max.)		
	Video Resolution	CIF/VGA		
	Video Format	.AVI		
	Date Output	USB 2.0		
	Power Supply	5V		
	Consumption Current (Max.)	700mA		
	Dimensions(W x D x H)	214 x 157 x 26 (mm)		
Approx. Weight	492g			
	Unobstructed Effective Range	200m (Min.)		
	Operating Temperature	-10℃~50℃		
	Operating Humidity	15~85%RH		

* All the specifications are subject to minor change without prior notice.

Warnings

- This product shall not be exposed to water either by dripping, splashing, immersing, etc., unless otherwise indicated.
- Turn off the system if it is not in use.
- This product can only be completely disconnected for from its power source by unplugging the power adapter.
- Do not cut the DC power cable of provided with this product to fit with another power source.

FAQ

1. Why the screen doesn't display any monitoring picture after the camera is connected?

Answer: 1. Please check whether "Active" is set to "ON".
2. Please check whether pairing succeeds.

2. The recording time is set already or the motion detection recording is enabled, but the receiver does not start recording when the time comes or a motion is detected. Why?

Answer: 1. Check whether the storage medium is inserted.
2. Check whether the storage medium is full.

3. The system does not respond when the playback button (⏮) is pressed. Why?

Answer: Please check whether the current camera is in the recording status. If it is in the recording status, the system will not respond when this button is pressed.

4. Why cannot see human body in the picture area, when the alarm occurs?

Answer: For the product, the angle of sensor is greater than that of lens. When human body moves beyond the angle of lens and within the angle of sensor, an alarm can also occur on the device. However, the display device cannot display human body's move in the picture area.

FCC Information

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Troubleshooting

Symptoms	Solutions
No display	Confirm the adapters of receiver and camera connect OK
	Re-pair the camera and receiver. See more details in the manual
Failed to record	Failure in USB connection. Confirm the USB plug connects OK
	Failure in setting, see more details in the manual.
	Failure in SD card connection. It is suggested to use SD card with brand like Kingston, SanDisk, Panasonic, Kingmax or Transcend
	Failure in Mobile Hard disk connection. It is suggested to use hard disk with brand like IBM, TOSHIBA or Seagate.
	The format of mobile hard disk should be FAT32 instead of NTFS.
Poor picture quality	interference in the surrounding environment, such as WIFI and other wireless devices.
	The antennas of receiver and camera install unwell.
	IR night version is on, which leads to the color cast.
camera off	Confirm the adapter and camera connect OK.
	Confirm the setting of both Active and Display Items. See details in the manual.
No alarm or fault alarm	Failure in alarm PIP setting. See more details in the manual.
	blocked by some moving objects or barrier.
	interference from light, thunder, infrared or microwave etc.
	The stored recording image keeps unchanged, because the angle of the pyroelectric sensor is wider than the camera angles, the sensor is triggered beyond the camera view angle.
	Objects pass through the recording effective area too quickly in less than 2s.
	Fresnel shell is dirty.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.