Full HD Remote Home Surveillance

USER MANUAL

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.

22
PAP

Model: GD8122

CONTENTS

＊8122HE=GD8122+GD7122

1. General information

1.1 Welcome

Thank you for purchasing our products. The product is a high-quality fine-positioning digital monitoring product designed and developed for the security and protection field. Please read the instruction of product carefully before use.

1.2 Precautions

1. The receiver shall not be placed in the position where it's easy to drop or splashed with liquid;
2. Please turn off the power switch of camera/receiver when don't use the product for a long time;
3. The power supply can be disconnected completely only when the charger is unplugged.
4. Do not touch the power switch and receiver with wet hands or goods to avoid electric shock;
5. If solid or liquid enters the chassis, please disconnect the machine power and ask qualified technicians to check before restart;
6. When the receiver is shut down, do not unplug the power supply directly. Instead, please enable the power supply of receiver to be closed automatically by using the shutdown button on the panel so as to avoid damage to mobile HDD.
7. If the description of the product or parameters in the instruction is inconsistent with the material object, please in kind prevail. We reserve all the right for the final explanation.

1.3 Packing list

① Camera×(1-4)
② Receiver×1
③ Receiver power×1
④ Camera power×(1-4)
⑤ Remote control×1
⑥ Wall nail×4×(1-4)
⑦ Screw×4×(1-4)
⑧ SD card (optional)×1
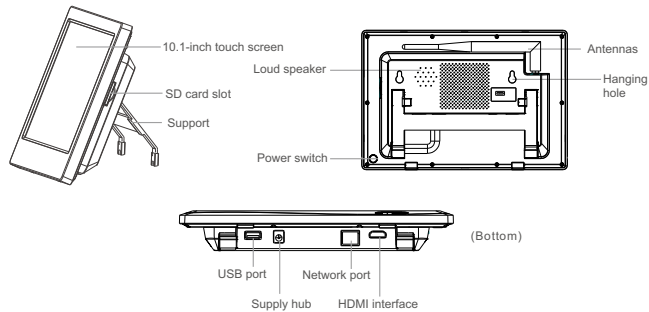⑨ Cable (optional)×1
⑩ HDMI line (optional)×1

※ The pictures in the instruction are for reference only, please in kind prevail.
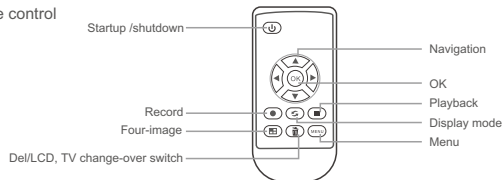
2. Designations

● Camera GD GD8122

Rain cover
Antennas
MIC hole
Supply hub
Pair key
PIR sensor
Photosensitive induction
Infrared lamp
Camera lens
Indicator
Support

● Receiver

10.1-inch touch screen
Loud speaker
SD card slot
Support
Power switch
Antennas
Hanging hole

(Bottom)

USB port
Network port
Supply hub
HDMI interface

● Remote control

Startup /shutdown
Navigation
OK
Playback
Record
Display mode
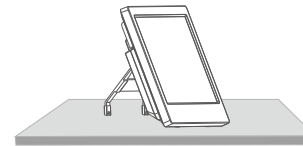Four-image
Menu
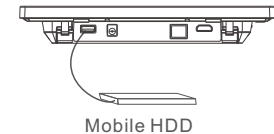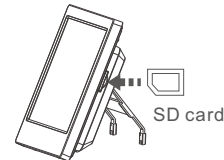Del/LCD, TV change-over switch

3. Installation

1. Install the camera in a suitable monitoring position and fix it with screws.

2. Install the receiver in a suitable horizontal position (or hang it on the wall).

Nail screw into the appropriate place on the wall, and then hang the receiver on the screw

3. Insert the SD card or external storage device such as mobile HDD.

SD card

Mobile HDD

⚠ **Attention**

※ SD card and external storage device do not support hot plug.
※ External storage device or SD card only supports the Fat32 format.
※ If the SD card or external storage device used for this machine is used before, please format it firstly when using.
※ Please use Class 4 SD card or above, or it cannot be identified.
※ Data in the SD card or mobile HDD cannot be restored after formatting, please be careful.
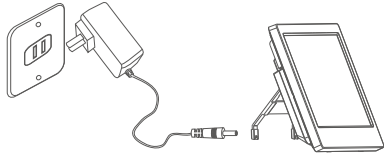
4. Operation

(The following mainly introduces the operating method for remote control, and operation settings can also be conducted by clicking on the touch screen.)

4.1 Basic operation

1. Connect the camera with power supply so that the index lamp of camera will be on.
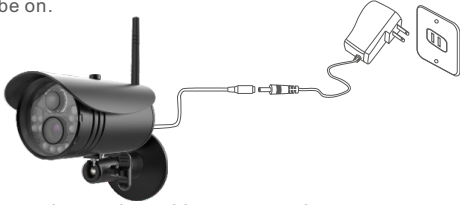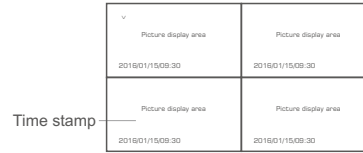
2. Connect the receiver with power supply.

3. Startup: Under the shutdown state, press ⏻ on the receiver or remote control and release it after about 2s to start up the receiver.
Shutdown: Under the startup state, press ⏻ on the receiver and release it after 5s to shut down the receiver. Or press ⏻ on the remote control and release it after 2s to shut down the receiver.
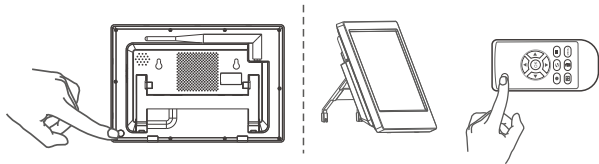
4. Match the codes of camera and receiver (4 cameras can be connected simultaneously at most). The codes have been matched already as factory default. If not, please match the codes according to the "Code matching" description on Page 16.

5. After successful code matching, the real-time monitoring image will occur as follows

Picture display area	Picture display area
2016/01/15/09:30	2016/01/15/09:30
Picture display area	Picture display area
2016/01/15/09:30	2016/01/15/09:30

Time stamp

6. Click ❯ at the left bottom of the touch screen with finger to pop up a setting menu, and click a single icon to enter the setting:

A   B   C   D   E   F   G   H   I
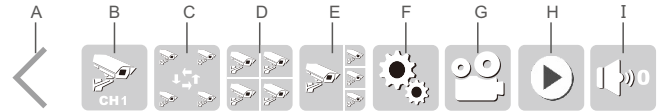
A: A setting menu will be popped up by a single click and packed up when clicking again;
B: Full image display of a single camera: Sequential click will circulate from CH1, CH2, CH3 and Ch4;
C: Circulation display: switchover is triggered between circulation display and disenabled circulation after clicking;
D: Click to enter the four-image display; (Only display when connecting multiple cameras)
E: Click to enter the one-large three-small image display; (Only display when connecting multiple cameras)
F: Setting: Click to enter the main menu setting;
G: Video recording: Video recording will start by a single click and stop when clicking again.
H: Playback: Click to enter the playback interface;
I: Volume: The volume will be circularly set from 0, 1, 2, 3, 4 and 5 by sequential click, but it defaults to be 3.

Note: Apply a little force when swiping or clicking the touch screen with finger. (Since the product adopts resistance screen, gentle force may have no reaction on the touch screen, but large force may hurt your finger or damage the screen, so please apply appropriate force.)

7. Press ⊞ on the remote control to switch among the 3 display modes:

Four pictures	One picture	One large and three small
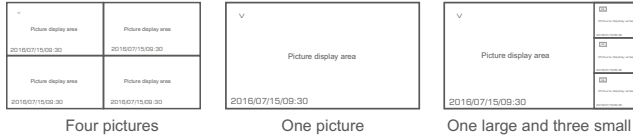
8. Press ⟳ on the remote control to enter the circulation mode display. The circulation interval time includes 5, 10, 15, 20 and 30s and can be set under the "System settings".

Meanings of icons on the real-time monitoring screen:

USB	Successful mobile HDD insertion	UPnP	Successful network switch
SD	Successful SD card insertion	∨	The camera is the current camera
⚠	Prompt appears when SD card or mobile HD does not access	⦿	Video recording state
Full	Prompt appears when SD card or mobile HD is full	Tₐₗₗ	Signal intensity
🔒	Prompt appears when SD card or mobile HD is locked	C1 C2 C3 C4	Camera name
UPnP	UPnP is not started or router firewall is blocked	🔇	Silence
UPnP	Network switch failure	1080P	1080P
UPnP	Successful network switch	720P	720P

4.2 Record mode

Manual recording

1. Under the real-time monitoring state, press ◄ and ► on the remote control to choose the camera recording videos as the current camera;
2. Press the recording/stop recording key ⦿ on the remote control. The recording icon ⦿ will occur on the display screen to indicate the recording starts;
3. Press ⦿ on remote control again to stop recording.

Timer recording
Users can set the starting and ending time of recording on the menu "Record", the device will make recording automatically according to the set starting and ending time, and videos will be saved automatically after recording. Specific steps are as follows:

1. Press MENU on remote control or click ⚙ on the touch screen to enter the setting interface;
2. Press ◄ or ► to choose "Record", and then press OK to enter;
3. Press ▲ or ▼ to choose "Timer recording" and then press "OK" to enter;
4. Press ▲ or ▼ to choose "New schedule" and then press "OK" to enter and set the starting and ending time:

Timer Recording	
Camera	All Cameras
Date	11/15/2016 Fri
Start Time	00 : 00
End Time	00 : 00
OK	

Press ▲ or ▼ to choose the items to be set;
Press ◄ or ► to set;
Press OK to confirm the setting and exit.

5. After setting, the device will record automatically according to the set starting and ending time.
6. During recording, if pressing the recording/stop recording key ⦿ on the device, the recording will stop.

Motion detection
When an object moves in the visual angle range of camera, the device recording can be triggered. Specific steps are as follows:

1. Press MENU on remote control or click ⚙ on the touch screen to enter the setting interface;
2. Press ◄ or ► to choose "Record", and then press OK to enter;
3. Press ▲ or ▼ to choose "Motion detection " and then press "OK" to enter;
4. Press ▲ or ▼ to choose the camera to be set;
5. Press ◄ or ► to choose "ON";
6. Press ▲ or ▼ to choose the items to be changed;
7. Press ▲ or ▼ to make adjustment;
8. Press OK to confirm the setting and exit.

"Sensitivity", "Stop condition" and "Area setting" can also be set in the motion detection setting:

Motion Detection	
Camera	Camera-1
Sensitivity	High ◄►
Motion Detection	ON
Stop Condition	30
Area Setting	Area ►
OK	
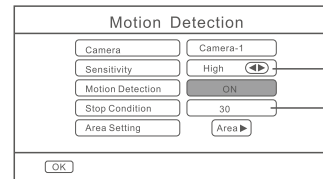
Sensitivity: "High, medium and low" are adjustable

The time can be set in second
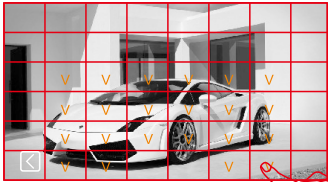
Please click the range to be set:
V∗: Indicating to choose the current range
Yellow "V": Indicating to activate regional motion detection

The space unticked represents closed.

Area setting

4.3 Video playback

1. Under the real-time monitoring state, press the playback key 🔲 on the remote control or click ▶ on the touch screen to enter the playback interface:
2. Press ▲ or ▼ on the remote control to choose the date folder; Press OK to confirm it and enter;
3. Press ▲ or ▼ on the remote control to choose camera; Press OK to confirm it and enter;
4. When SD card and mobile HDD coexist, please click the icon on the top right corner to switch the storage device.

SD Card	1/2	SD
07/22/2016	▶
07/23/2016	▶
	DELETE	↩

07/22/2016	1/1
C1 06-11	▶
C2 06-11	▶
	DELETE	↩
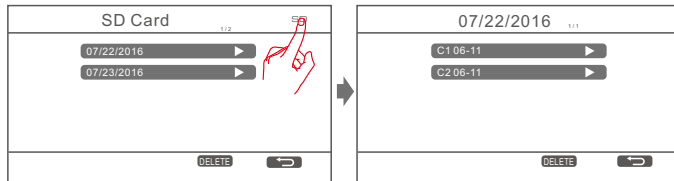
5. Press ▲ or ▼ on the remote control to choose the video to be played; Press OK to play it;
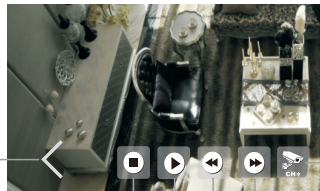
Click this icon on the screen to ⟩ pop up the play menu

Exit
Play/Pause
FF
REW

Click to enter the full-screen display, click again to enter the 1-big & 3-small screen display

6. Press ◄ or ► for REW or FF; Press ▲ or ▼ to adjust the volume; Press OK again to pause the video; Press MENU to exit the play mode.

4.4 Video deletion

1. Under the real-time monitoring state, press the playback key 🔲 on the remote control or click ▶ on the touch screen to enter the playback folder:
2. Press ▲ or ▼ on the remote control to choose the video or video folder to be deleted;
3. Press 🗑 on the equipment to delete it.

⚠ **Attention**

Folders can be deleted only when they are empty.

4.5 Video output

Connect the receiver to a larger display /TV to see the monitoring video clearly.

HDMI line
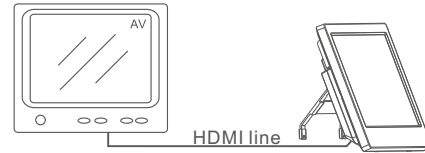
5. Main Menu Setting

5.1 System settings

(The following mainly introduces the operating method for remote control, and operation settings can also be conducted by clicking on the touch screen.)

Under the real-time monitoring state, press "MENU" on the remote control or click 🎛 on the touch screen to enter the following interface:

Main Menu

System Record Playback Camera Alarm

Press ◄ or ► on the remote control to choose "System " and press OK to enter the system setting interface:

System	
Network	►
Date / Time	►
Language	►
Record Mode	►
Format SD/USB	
▼	
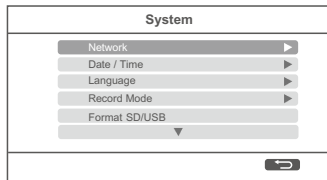
Network	Set and check the network information;
Date/time	Set system time and date;
Language	Set system language;
Record mode	Set whether to stop recording or cover the earlier video when the storage medium is full;
Format SD/USB	Format the storage medium or not;
Storage for recording	Set the storage medium;
Display items	Whether the signal intensity, SD card state, camera names and the like are displayed on the display screen and video recorded;
System information	Check the system information;
System upgrade	System upgrade:
Scan mode period	Set interval time displayed in cycle on the camera monitoring screen;
Mute	On or off of loudspeaker on the receiver;
Load default	Restore the default settings or not;
Brightness	Adjust the brightness of LCD screen;
Volume	Adjust the volume;
Alarm volume	Adjust the alarm volume;
Power saving mode	Adjust the power-saving mode;
About	GPL Declaration

Press▲ or ▼to choose an item, and press OK to confirm it.

Network
1. After choosing "Network" on the interface "System ", press OK to enter and check;
2. Press MENU to exit;

Network	
Network Password	►
Network Addressing	►
Push Notification	►
Network Information	►
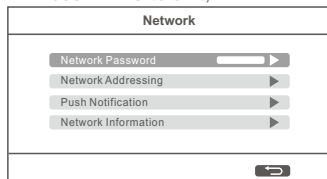
Press ◄ or ► to select items to bechanged;
Press OK to confirm the changes;
Modify network parameters;
Press OK to save and confirm;
Press MENU to exit.

Date/time
After choosing "Time/date" on the interface "System " and press OK to enter the time/date setting interface;

Date / Time		
Date		
2016 /	11 /	15
Time		
20 :	11	
OK		
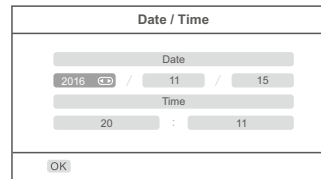
Press▲or▼to select items to be changed;
Press ◄or ► key to make changes;
Press OK to confirm the changes;
Press the MENU to exit the time/date setting interface;

Language
1. After choosing "Language" on the interface "System ", press OK to enter the language setting interface;
2. Press ▲or▼ to select the appropriate language, and press OK to confirm the setting and exit.

Record mode
1. After choosing the "Record mode" on the interface "System", press OK to enter;
2. Press ▲or▼ to choose "Ordinary" or "Overwriting", and then press OK to confirm the setting and exit.

☞ **Prompt**

Ordinary: When SD card or mobile HDD is full, recording will stop automatically;
Overwriting: The system will delete the most previous videos automatically when the SD card or mobile HDD is fully occupied to clear enough storage space to ensure this recording.

Format SD/USB
1. After choosing "Format SD/USB " on the interface "System ", press OK to enter;
2. Press ▲ or ▼to choose "Cancel", "SD card" or "USB device";
   Cancel: Cancel the formatting;
   SD card: Format SD card;
   USB device: Format mobile HDD.
3. Press OK for formatting;
4. After the formatting is completed, the hint "Format successful" will prompt.

Storage for recording
1. After choosing the "Storage for recording" on the interface "System ", press OK to enter;
2. Press ▲ or ▼ to choose "SD card" or "USB device";
3. Press OK to confirm the setting and exit.

Display items

1. After choosing the "Display items" on the interface "System ", press OK to enter;
2. Press▲ or ▼ key to make selection;
3. Press OK to check whether the item displays. If the item is displayed, the icon " ✓ " behind the item will appear.
   RSSI: Icon of signal intensity. Icon: ▮▮▮▮
   SD/USB state: Whether SD card or mobile HDD is inserted. Icon: SD USB
   Camera: Camera name. Icon: C1 C2 C3 C4
   Network: State of network connectivity. Icon: UPnP UPnP UPnP
4. Press the MENU to confirm the setting and exit.

System information

1. After choosing "System information" on the interface "System ", press OK to enter and check;
2. Press MENU to exit.

System upgrade

1. After choosing the "System upgrade" on the interface "System ", press OK to enter;
2. Press▲ or ▼to choose the camera to be upgraded;
3. Press OK to make adjustments;
4. Press ⊙ to make upgrades;
5. Press OK to confirm or press the MENU to exit.

Scan mode period

1. After choosing the "Scan mode period" on the interface "System ", press OK to enter;
2. Press▲ or ▼to choose time;
3. Press OK again to confirm the setting and exit.
4. Scanning can start only when shot pressing ↻ on the remote control and will stop after pressing again.

Mute

1. After choosing "Mute" on the interface "System ", press OK to enter and check;
2. Press▲ or ▼ to choose "OFF" or "ON";
3. Press OK again to confirm the setting and exit.

Load default

1. After choosing the "Load default" on the interface "System ", press OK to enter;
2. Press ▲ or ▼ to choose "Cancel" or "Confirm";
   Cancel: Cancel restore defaults;
   Confirm: Restore the defaults;
3. Press OK to confirm the setting and exit.

Brightness

1. After choosing the "Brightness" on the interface "System ", press OK to enter;
2. Press ◄ or ► to make adjustments;
3. Press OK to confirm the setting and exit.

Volume

1. After choosing "Volume" on the interface "System ", press OK to enter and check;
2. Press ◄ or ► to make adjustments;
3. Press OK to confirm the setting and exit.

☞ **Prompt**

Under the real-time monitoring state and playback mode, volume can also be adjusted by pressing▲ or ▼.

Alarm volume

1. After choosing the "Alarm volume" on the interface "System ", press OK to enter;
2. Press ◄ or ► to make adjustments;
3. Press OK to confirm the setting and exit.

Power saving mode

1. After choosing the "Power saving mode" on the interface "System ", press OK to enter;
2. Press▲ or ▼key to make selection;
3. Press OK to enter;
4. Press▲ or ▼key to make selection;
5. Press OK to confirm the setting and exit.

About

1. After choosing the "About" on the interface "System ", press OK to enter;
2. Press OK to confirm the setting and exit.

5.2 Recording settings

(The following mainly introduces the operating method for remote control,
and operation settings can also be conducted by clicking on the touch screen.)

1. Under the real-time monitoring state, press "MENU" on the remote control
or click 🔅 on the touch screen to enter the setting interface:
2. Press ◄ or ► to choose "Record";
3. Press OK to enter the following interface:

Record
Timer Recording ►
Motion Detection ►
↩
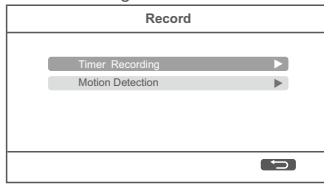
Timer recording

Set the beginning and ending time of video recording, and the equipment
will make video recordings in accordance with the set time. After recording,
the video will be saved automatically (see Page 8 for specific steps).

Motion detection recording

When an object moves in the visual angle range of camera, the device
recording can be triggered. See Page 8 for specific steps.

Infrared detection recording

When a human body moves in the visual angle range of camera, the device
recording and intelligent linkage alarm can be triggered. Specific steps are
as follows:

Infrared detection recording	
Camera-1	ON ◄►
Camera-2	ON
Camera-3	ON
Camera-4	ON
OK	

Press◄ of► to select "ON or OFF",
press OK key to confirm:
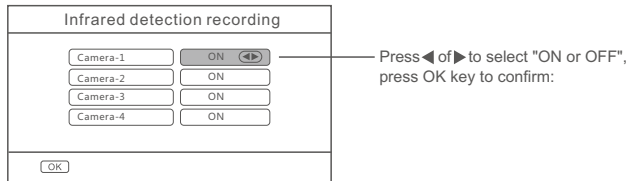
5.3 Video playback

See Page 9 for specific steps.

5.4 Camera settings

(The following mainly introduces the operating method for remote control,
and operation settings can also be conducted by clicking on the touch screen.)

1. Under the real-time monitoring state, press "MENU" on the remote control
or click 🔅 on the touch screen to enter the setting interface:
2. Press▲or ▼to choose "Camera ";
3. Press OK to enter the following interface:

Camera
Pairing ►
Activation ►
PIP Setting ►
Latency VS Quality ►
↩
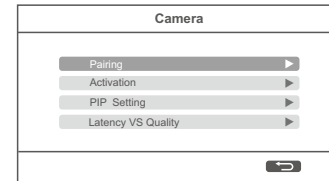
Pairing

The camera will not be interfered by other frequency points after pairing
1. Press▲or ▼ to select "pairing". Press OK key to enter;

Pairing		
Camera-1	Paired	0xe01f0008
Camera-2	Paired	0xe01f0007
Camera-3	Paired	0xe01f0006
Camera-4	Paired	0xe01f0005
OK		↩
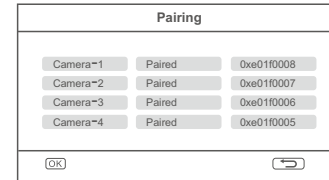
2. Press▲or ▼ to choose the camera to be paired;
3. Press OK to enter pairing:

Pairing
Pairing · · · · ·
Long press the PAIR button on TX for 2 seconds
35
OK   ↩
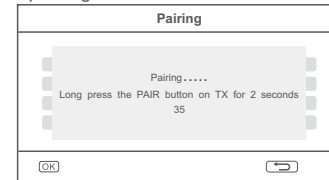
4. double-color LED red light flickers.
   (The camera is on power-on and startup state)
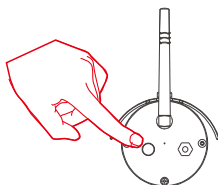
5. After successful pairing, the display screen on the receiver will pop up the
   following prompts:

Pairing OK

Congratulations!!!
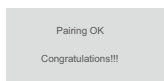
☞ Prompt If pairing fails, the system prompts "Pairing failed".
           Please perform pairing again.

Activation
1. Press ▲ or ▼ to choose "Activation" and then press "OK" to enter;
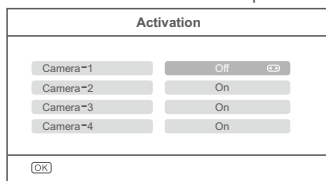
Activation	
Camera-1	Off
Camera-2	On
Camera-3	On
Camera-4	On

OK

2. Press ▲ or ▼ to choose the camera to be set;
3. Press ◄ or ► to choose "ON" or "OFF";
4. Press OK to confirm the setting and exit.

⚠ Attention
In the case of "OFF", the camera will not perform any action such as the
display of monitoring screen, video recording and automatic alarm.

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PIP settings
Set the resolution ratio and pixel of video recording.
1. Press ▲ or ▼ to choose "PIP setting" and press OK to enter;
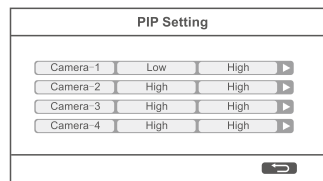
PIP Setting		
Camera-1	Low	High ►
Camera-2	High	High ►
Camera-3	High	High ►
Camera-4	High	High ►

2. Press ▲ or ▼ to choose the camera to be set;
3. Press OK to enter the following interface:

PIP settings	
Resolution size	quality
1080P ✓	Top High
480P(VGA)	High ✓
	Medium
	Low

OK
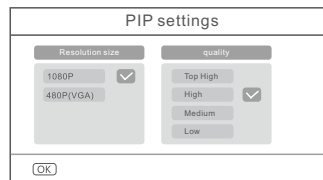
Press ◄ or ► to choose "resolution ratio" or "image quality";
Press ▲ or ▼ to choose "Premium", "High", "Medium" or "Low";
Press OK to change;
Press MENU to confirm the setting and exit.

Latency vs quality
1. Press ▲ or ▼ to choose "Latency vs quality" and press OK to enter;
2. Press ▲ or ▼ to choose the image quality to be set;
3. Press OK to confirm the setting and exit.
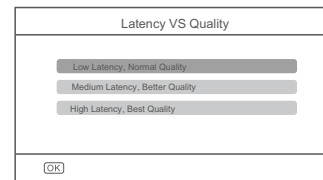
Latency VS Quality
Low Latency, Normal Quality
Medium Latency, Better Quality
High Latency, Best Quality

OK

18

- **Brightness**
1. After choosing the "Brightness" on the interface "System ", press OK to enter;
2. Press ◄ or ► to make adjustments;
3. Press MENU to confirm the setting and exit.

Brightness	
Camera-1 ►	
Camera-2 ►	
Camera-3 ►	
Camera-4 ►	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
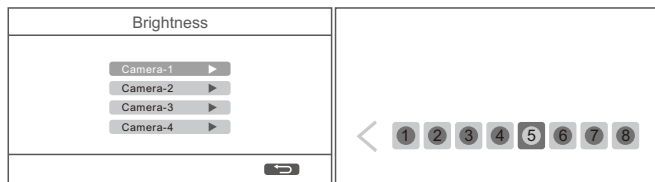
5.5 Alarm settings

The item is to set whether the device will alarm automatically when someone moves in the visual angle range of the camera.
1. Under the status of real-time monitoring, press the MENU key on the equipment to enter the setting interface:
2. Press ◄ or ► on the remote control to choose "Alarm " and press OK to enter;
3. Press ▲ or ▼ to choose "Motion detection" or "Infrared detection" and press OK to enter;
4. Press ▲ or ▼ to choose "ON" or "OFF";
5. Press OK to confirm the setting and exit.

☞ **Prompt** Prompt The alarm can make effect only when the infrared detection or motiondetection recording functions.

Connect network

1. Connect the cable to the receiver and open the receiver as shown in the figure below:
   Note: The cable connection requires Class 1 router

2. After successful connection, enter "Main menu"=>"System settings"=> "Network"=>"Network information". The following interface will occur on the display screen:

Network

Golbal IP	113.104.188.169
Local IP	192.168.1.100
Port	5003
Device ID	0006 0156 5401 5603

Network ready!

OK

Download the client program

1. Turn on the intelligent mobile device terminal and enter "App Store",then search and download "GoCamPro" software. as the following interface:
2. Install the software, as the following interface:

App Store ⇨ GoCamPro

6. Operations for iOS Apple Client

View image

1. Click the APP and enter "Device list" interface.
   Click the ➕ icon to add new camera.

2.When RX and mobile phone can normally connect to outer net. you just need to set network password in the receiver, and then input to the mobile phone. Then input the Device ID in the receiver to the Device ID in the mobile phone or scan the QR code to get the Device ID.

Network information

Global IP	113.104.188.169
Intranet IP	192.168.1.100
Port	5003
Device ID	0006 0156 5401 5603

Scan it the client

The network is ready! Input to the client

Network

Network password

Network Addressing

Push Notification

Network information

Input the password and enter it to the client

New Device

NAME
Device name

ID
Device ID

PASSWORD
Device password
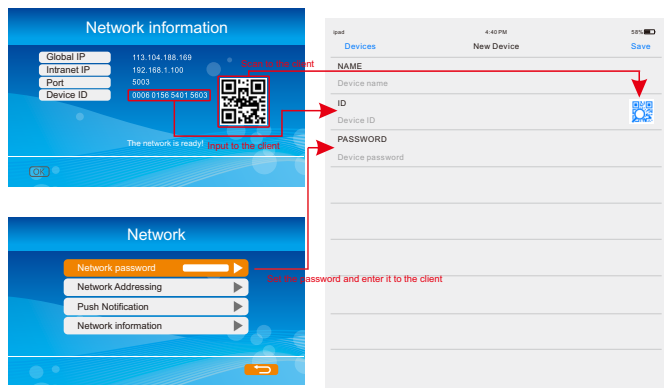
3. To view the video image, you need to choose the right title in the Device list, then click the line to enter the monitoring mode.
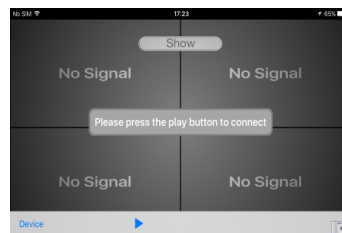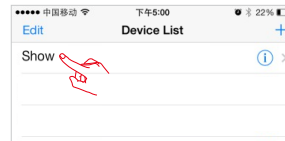
4. Click on the bottom ▶ icon. APP will try to connect the RX of the previous selected title, if connection is successful, the video image will display on the client.

Device MENU PUSH REC ✕ TCP ← Take a photo

Setting Push Notification

1. Turn on the push notification function on the receiver, enter Main Menu => System => Network => Push Notification, the receiver screen displays the following:

Push Notification
Turn on/off ▶
Minimum Push interval ▶
Time Period ▶
Registered Mobiles ▶

Record
Timer recording ▶
Motion Detection ▶
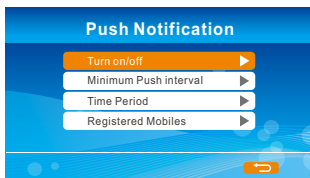
Users can set according to the situation of Minimum Push interval and time period

Notice: Only when the motion detection is open, push notification function will be effective.

2. Click "PUSH" to Register an account. When there is a movement in front of the camera, it will send a push message to your smart phone. As below shown:

No Signal

Device MENU PUSH 📁 REC ✗ TCP

●●●●● 中国移动 🤖 下午5:38 20% 🔋
PUSH NOTIFICATION
Registration on device 🔘
My Name 1234
Cancel   Save

Registered Mobiles
1234 ▶

After successful registration, the monitor will receive the registered account name.

Remote viewing video on receiver side

When clicking 📁 on client-side, you can check the video data of SD card or mobile hard disk of the receiver.

Note: The picture took by mobile client-side shall be **automatically stored in the phone.**

No Signal

Device MENU PUSH 📁 REC ✗ TCP

☞ **Remarks:**
1. Only when the receiver in the real-time state, to view the image.
2. If the Device ID was unable to get to the RX, indicates that RX did not normally connect outer net, need to check your network.
3. If everything is normal, but still not in the mobile phone client to view images, please close the client software running always in the background, please try it again.
4. The network adapter does not support hot-swappable, Before open the RX, The network is connected with the RX.

7. Operations for Android Client

Connect network

1. Connect the cable to the receiver and open the receiver as shown in the figure below:
   Note: The cable connection requires Class 1 router

2. After successful connection, enter "Main menu"=>"System settings"=> "Network"=>"Network information". The following interface will occur on the display screen:

Network Information	
Golbal IP	113.104.188.169
Local IP	192.168.1.100
Port	5003
Device ID	0006 0156 5401 5603

Network ready!

OK

Download the client program

1. Turn on the intelligent mobile device terminal and enter "Google play" store, then search and download "GoCamPro" software.
2. Install the software, as the following interface:

Google play
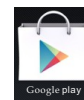
GoCamPro

View image

1. Click the Settings and enter device list. add new camera.
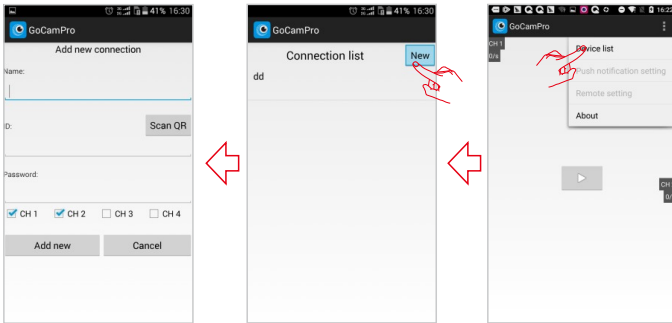
2. When RX and mobile phone can normally connect to outer net. you just need to input Device ID to the client. or scan the QR code to get the Device ID. the password is set up in the receiver, and then input to the mobile phone. and saving.

3. Click the ▶ icon, the image will display on the smart phone.
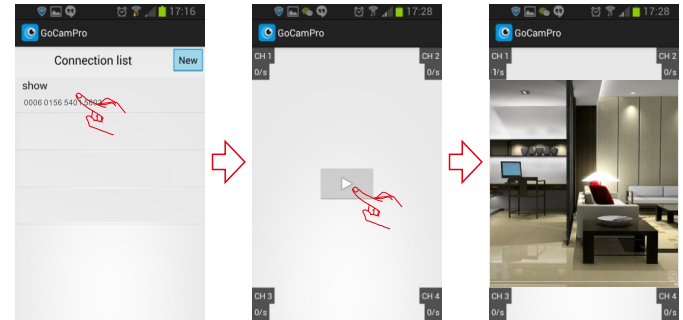
4. Press and hold the device ID to enter the setting interface.
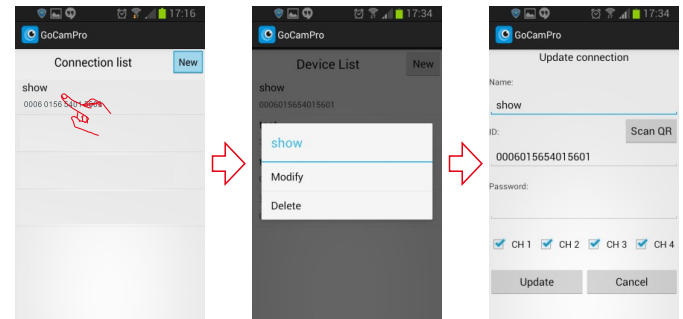
Setting Push Notification

1. Turn on the push notification function on the receiver, enter Main Menu => System => Network => Push Notification, the receiver screen displays the following:

Push Notification
Turn on/off ▶
Minimum Push interval ▶
Time Period ▶
Registered Mobiles ▶

Users can set according to the situation of Minimum Push interval and time period
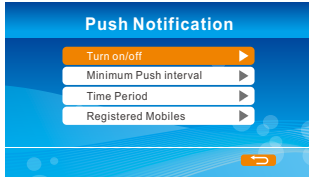
Record
Timer recording ▶
Motion Detection ▶
PIR Recording ▶

Notice: Only when the motion detection or PIR Recording is open, push notification function will be effective.

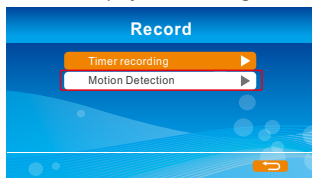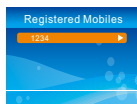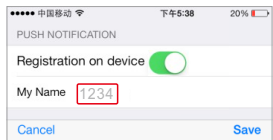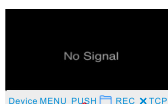2. Click "Notification push setting" to register an account. When there is a movement in front of the camera, it will send a push message to your smart phone. As below shown:

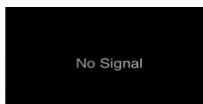| |
|---|
| Device list |
| Push notification setting |
| Remote setting |
| About |

Notification push setting

Registration on device ☑

555

Cancel   OK

Registered Mobiles
555 ▶
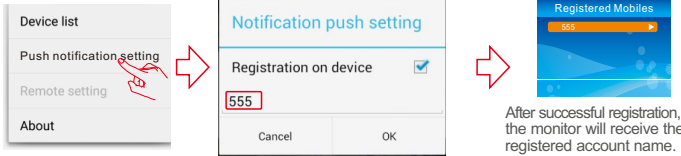
After successful registration, the monitor will receive the registered account name.

Remote viewing video on receiver side

When clicking Playback on client-side, you can check the video data of SD card or mobile hard disk of the receiver.
Note: The picture took by mobile client-side shall be **automatically stored in the phone.**

Device list
Push notification setting
Playback
Remote record setting
Remote setting
About

☞ **Remarks:**
1. Only when the receiver in the real-time state, to view the image.
2. If the Device ID was unable to get to the RX, indicates that RX did not normally connect outer net, need to check your network.
3. If everything is normal, but still not in the mobile phone client to view images, please close the client software running always in the background, please try it again.
4. The network adapter does not support hot-swappable, Before open the RX, The network is connected with the RX.

8. Specifications

	Items	8122HE
Camera Resolution	Image sensor	1/2.7",CMOS
	Effective pixel	1080P
	Horizontal view angle	85±5°
	The lowest illuminance	≤3Lux
	Night Vision Distance	10M
	Waterproof Capacity	IP66
	Power Supply	DC 12V/1A
	Operating Temperature	-10℃~50℃
	Operating Humidity	15~85%
	Dimensions(W*D*H)	69x59x130mm
	Weight	238g
Monitor	Dimension of the Display Storage Format	10.1"TFT LCD
	Screen resolution	1024(R.G.B.) X 600
	Storage Format	AVI
	SD card capacity	At most support 128GB
	Hard disk capacity	At most support 3TB.
	Video frame rate	30fps (one path) / 15fps (four paths)
	Data output	USB 2.0
	Power supply	DC 12V/2A
	Operating Temperature	0℃~40℃
	Operating Humidity	15~85%RH
	Dimensions(W*D*H)	255x37x173 (mm)
	Weight	832g
Frequency response characteristic	Frequency range	2.4GHZ
	Modulation method	16QAM
	Wireless transmission distance	Outdoor 300 meters (Maximun)

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

9. Functional Characteristics

*Support simultaneous access, recording and browsing of 4 paths wireless HD cameras;

*Free of wiring and easy to install;

*Safe digital wireless, free of interference and able to avoid privacy disclosure;

*10.1-inch touch display screen and integrated camera;

*Support 128GB SD card and can externally connect mobile HDD of up to 3TB;

*Various recording modes available; Manual recording, timing recording and motion detection recording;

*Up to 20m of night visual range;

*Outdoor rainproof camera with a barrier-free transmission distance of 300m;

*With video transmission function, and external larger display screen accessible;

*With IR-CUT function.

*Remote viewing of real-time monitoring available through iPhone/Android device;

⚠ Please note the monitor is not a computer, so some memory devices cannot operate on it.

10. Fault Diagnosis

10.1 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 senor, an alarm can also occur on the device. However, the display device cannot display human body's move in the picture area.

10.2 Fault Diagnosis

Problems	Solutions
the LED does not display monitoring picture	Check whether "Active" is set to "ON".
	Re-pair.
There is no video	Whether the storage medium is inserted.
	Whether the storage medium is full.
	If the SD card connection fails, it is suggested to use SD card with brand like Kingston, SanDisk, Panasonic, Kingmax, etc.
	Failure in Mobile Hard Disk connection. It is suggested to use Mobile Hard Disk with brand like IBM, Toshiba or Seagate, etc.
Poor picture quality	Whether there is interference, such as WiFi or other wireless devicees.
	Whether the antennas of the receiver and camera are installed.
	Whether infrared night-vision light is on, which leads to the color cast?

10.3 Elimination of common diesel engine malfunctions

1.Start up UPnP potion of router
If there appears "network is normal (UPnP is not started up)" in main menu>>system setting>>network>>network information, it is strongly recommended to start the UPnP potion of the router to which the receiver is connected. Whether UPnP potion of the router to which the receiver is connected is started up? If yes, the receiver will have a better performance, and if not, it just has an ordinary performance.

2.Connect receiver to the outmost router:
If there appears "Too deep RX path" in main menu>>system setting>>network>>network information, that means too many routers are connected in series and the router to which the receiver is connected is not the outmost one. Please connect the receiver to the outmost router.

3.Router firewall
If there appears "UPnP is started up, but not available" in main menu>>system setting>>Network>>network information, it is recommended to close the router firewall.

4.The icon on monitoring screen of the receiver (RX) refers to that the network is not ready yet.
The receiver is in the monitoring screen and the network option is displayed as open. The possible reasons are as follows if above icon still appears after 30 seconds of starting up:
A.Network setup is not finished.
B.Abnormal network card.
C.Abnormal network cable.
D.Abnormal router
E.Abnormal ADSL cable
Please eliminate above abnormal reasons.

5.The icon on monitoring screen of the receiver (RX):
 UPnP option The receiver is in the monitoring screen and the network option is displayed as open. The possible reasons for above icon are:
A.UPnP of the router to which the receiver is connected is not started up; please start it. See the instruction manual of router for the detailed situation and setting methods.
B.UPnP of the router to which the receiver is connected has been started up, but its function is stopped by the fire wall. It is recommended to close the

router firewall. See the instruction manual of router for the detailed situation and setting methods.
C.The receiver cannot use the function of UPnP and the client can connect to the receiver (RX), but in bad performance and small client fps.
D.There are many routers whose UPnP has been started up and fire wall has been closed, but the receiver still cannot use the function of UPnP, i.e. the situation that "network is normal (UPnP is not started up)" or "UPnP is started up, but not available" may appear.

6.The icon [UPnP] on monitoring screen of the receiver refers to the optimal network status.
The receiver is in the monitoring screen and the network option is displayed as open. If the above icon appears when no client is connected to, your network has reached the optimal status.

7.The icon [UPnP] on monitoring screen of the receiver refers to numbers of client connected
The receiver is in the monitoring screen and the network option is displayed as open. If one more client is connected, one more dot will be appeared at the bottom of the icon. The above icon indicates three clients are connected to the receiver.

8. Wrong information of the client (cell phone or pad):
A. "Unable to resolve host 'ns.davdns.com'", "Cannot access Internet": the client cannot connect to the Internet. Please check whether Wi-Fi or 3G/4G of the client has been opened and ensure the client can normally surf the Internet.

B. "Cannot connect to server (ns.davdns.com) (1)": the client cannot connect to the server. Please check whether the server can normally work.

C."Device is offline at ns.davdns.com (0006015610431129)":
the possible situations are: the receiver is not started up; the receiver is not connected to network; the receiver is not registered in the server; the receiver software and client APP do not use the same server. Please check whether the receiver can normally work; whether the network is ready; whether the software is applied in a correct approach.

D.Connection timeout: the receiver has been registered in the server, but the client (cell phone or pad) cannot connect to the receiver. The possible problems are: insufficient network bandwidth, network jam, or network is blocked by the firewall or NAT.

The name and content of hazardous substances in the product
To meet the related regulations and requirements of Chinese Controlling and Administrative Measures for Pollution of Electronic Information Products (The 39th Order Issued by Ministry of Industry and Information Technology of the People's Republic of China), the toxic and harmful substances in the products manufactured and marketed by the company are classified by the components, proclaimed as follows:

Name and Content of the Toxic and Harmful Substances or Elements in the Products

Component name	Toxic and harmful substances or elements					
	Pb	Hg	Cd	Cr (VI)	PBB	PBDE
Machine	×	○	○	○	○	○
Power components	○	○	○	○	○	○
Cables and cable sets	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

● Indicates that content of this toxic and harmful substance in all homogeneous material lof this component is under limit requirement of the SJ/T11363-2006 standard.
X: Indicates that content of this toxic and harmful substance in all homogeneous material of this component is under limit requirement of SJ/T11363-2006 standard. All components labeled with "X" indicate they comply with the RoHS regulations of the European Union.
Machine: It includes printed circuit board and the components, electronic components, etc.
In accordance with the different product model, the purchased product may not contain all the above components.
Electronic & information products sold within the People's Republic of China must have this mark labeled; the figure in it refers to its service life under normal conditions.

FCC statements:

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.