

# **Operation Guide**

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**GOSPELL SMART HOME  
ELECTRONIC CO., LTD**

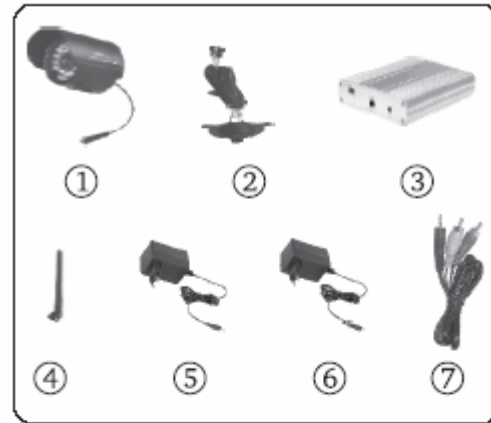
**900MHz OutdoorDay/Night Wireless Camera**

**Model: GA8123**

*The graphics included are subject to minor change without notice.*

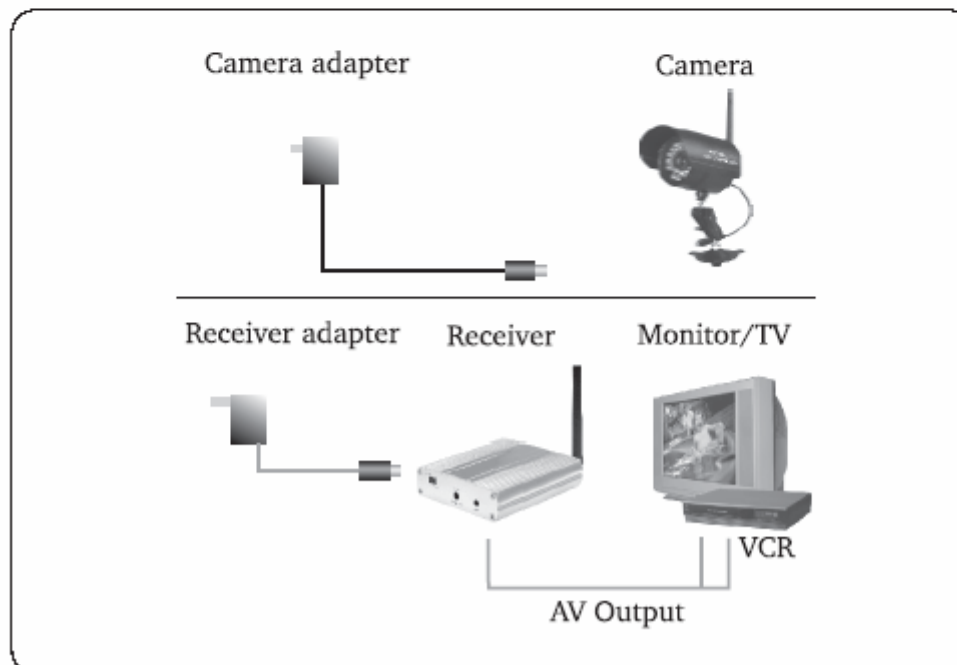
## PACKING LIST

- ① 0.9GHz Wireless Camera ×1
- ② Bracket for Camera ×1
- ③ 0.9GHz Wireless Receiver ×1
- ④ Antenna ×1
- ⑤ Adapter for Camera ×1
- ⑥ Adapter for Receiver ×1
- ⑦ AV Cable ×1



\* 8123RE means GA8123 + GA7034

## DIAGRAM

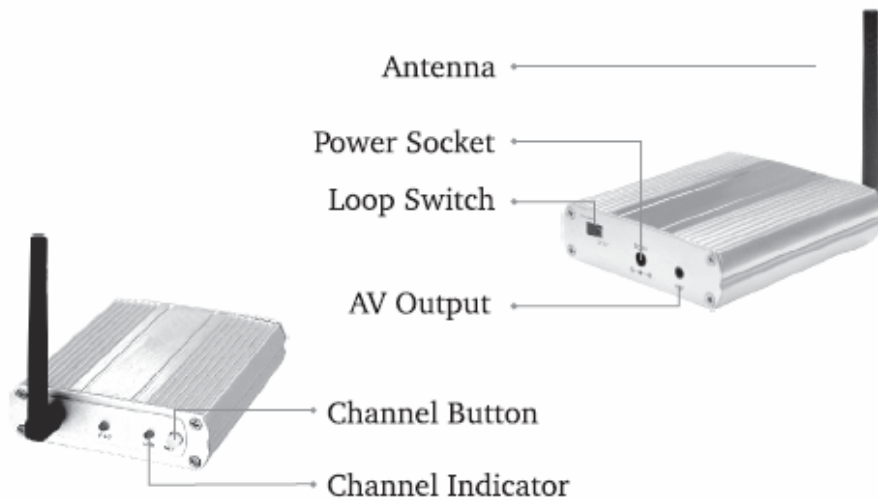


## **STRUCTURE**

### **CAMERA**

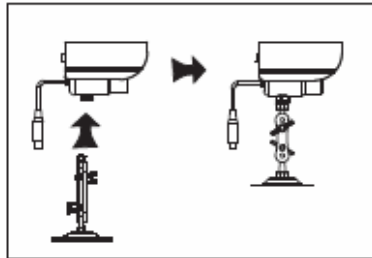


### **RECEIVER**

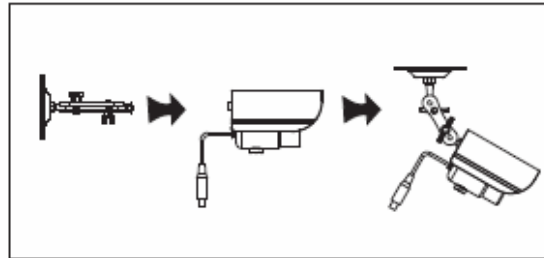


## **INSTALLATION**

1. Load the universal bracket to the camera as the following diagram.

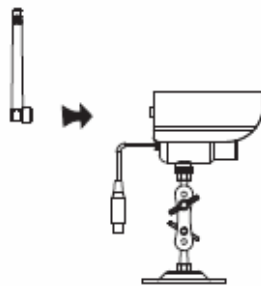


To the bottom of camera

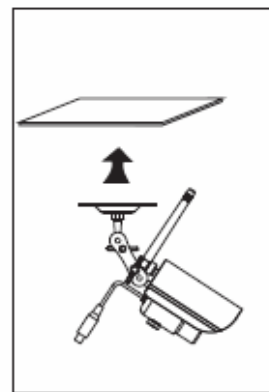
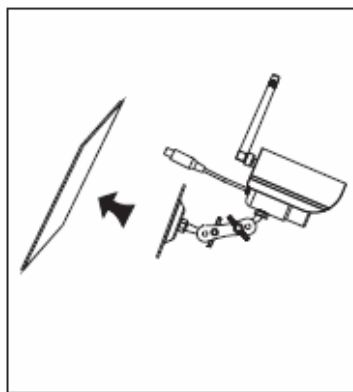
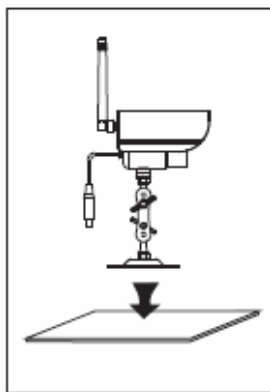


To the back of camera (optionally)

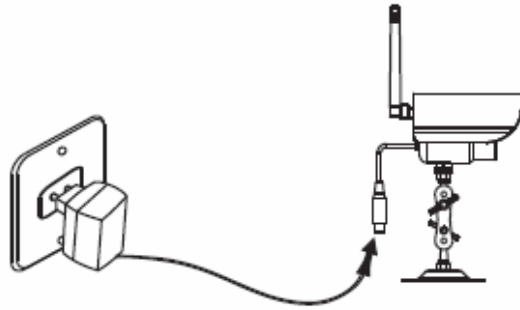
2. Connect the antenna to the camera.



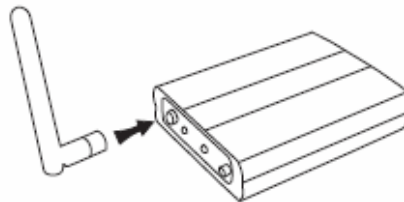
3. Locate the camera to a specific position and then adjust it to a suitable angle.



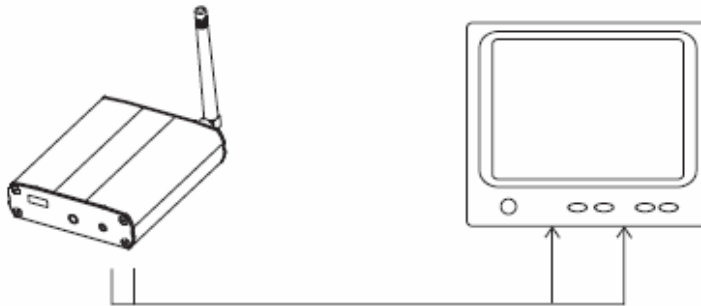
4. Connect the adapter to the camera.



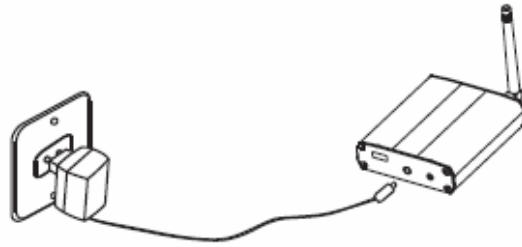
5. Connect the antenna to the receiver.



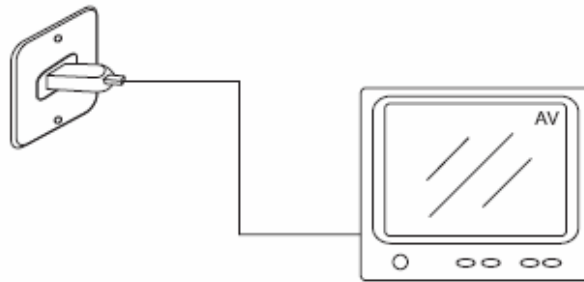
6. Connect the receiver to a monitor/TV with AV cable (yellow for video and red for audio).



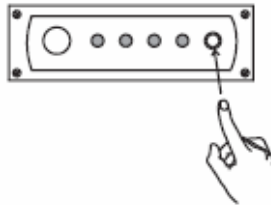
7. Connect the adapter to the receiver and push the power switch to **ON** position.



8. Power on the monitor/TV and select **AV** mode.



9. Set the channel of receiver same as that of camera by pressing the channel button continuously, and the pictures are displayed on the monitor/TV.



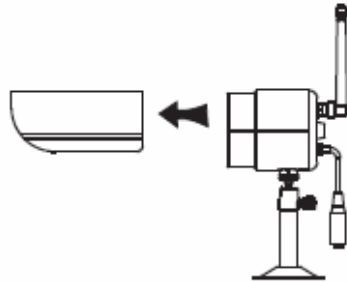
10. Adjust the brightness, contrast and color of the monitor/TV for the perfect effect.



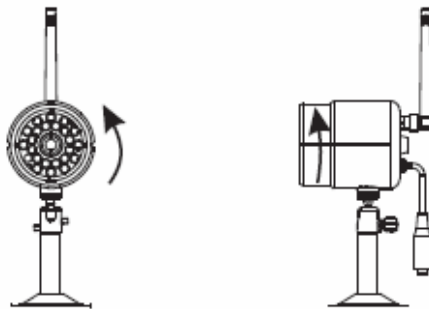
## **CAMERA CHANNEL SETUP**

You could adjust the channel switch to set the channel of camera for multi-camera working or avoiding the interference. The steps are as the following.

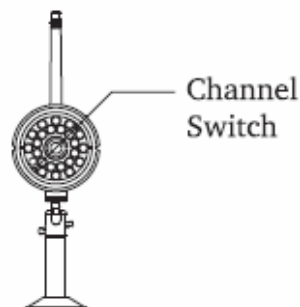
1. Pull out the hood as the shown direction



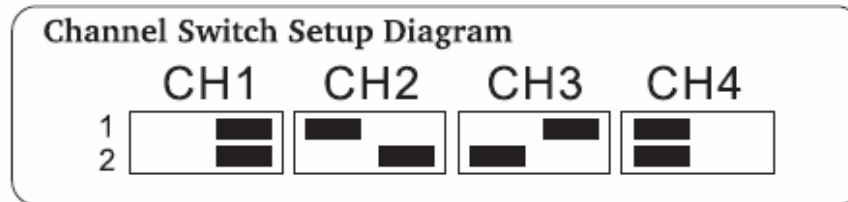
2. Remove the front cover counter-clockwise.



3. Find out the channel switch close to the IR lights.



4. Adjust the channel switch as the following diagram.



CH1=908MHz; CH2=924MHz; CH3、CH4 is no application.

## **CAUTIONS**

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Turn off the Camera/Receiver if the system is not in use.
- The adapter is used as the disconnect device from the mains. The adapter shall remain readily operable.
- The Camera/Receiver can only be completely disconnected from the mains by unplug the adapter.
- Do not cut the DC power cable of the apparatus to fit with another power source.



## **SPECIFICATIONS**

	<b>Items</b>	<b>Value</b>
<b>CAMERA</b>	Imaging Sensor	CMOS
	Total Pixels	628 x 582(PAL) 510 x 492(NTSC)
	Minimum Illumination	0Lux
	Transmission Frequency	ISM 900MHz ~ 930MHz
	Transmission Power	10mW/CE; 2mW/FCC
	Modulation Type	FM
	Bandwidth	18MHz
	Power Supply	+12V <sub>DC</sub>
	Consumption Current	90mA(IR OFF) & 260mA(IR ON)
	Unobstructed Effective Range	100m
	Night Vision Range	15m
	Dimensions(W×D×H)	61×96×136(mm)(Including Bracket)
	Weight	296g
	<b>RECEIVER</b>	Receiving Frequency
Intermediate Frequency		480MHz
Demodulation Type		FM
Antenna		50ohm SMA
Receiving Sensitivity		≤ -85dBm
Video Output Level		1.1V+/-0.2V <sub>pp</sub> @75 ohm,S/N>38dB
Audio Output Level		3.0V+/-1V <sub>pp</sub> @600 ohm
Power Supply		+ 8V <sub>DC</sub>
Consumption Current		165mA
Dimensions (W x D x H)(mm)		78×92×22(mm)(Excluding Antenna)
Weight		174g
Operating Temperature	-10°C ~ +50°C/+14°F ~ +122°F	
Operating Humidity	85%RH	

- \* Channel Frequency: CH1=908MHz;CH2=924MHz;CH3、CH4 N/A.
- \* Actual transmission range may vary according to the weather, location, interference and building construction.
- \* All the specifications are subject to minor change without prior notice.

## **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.



### **Warning:**

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 to this unit not expressly approved by the party responsible for compliance will void the user's authority to operate the equipment. Any change to the equipment will void FCC grant.

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.

The equipment compliance with FCC radiation exposure limit set forth for uncontrolled Environment