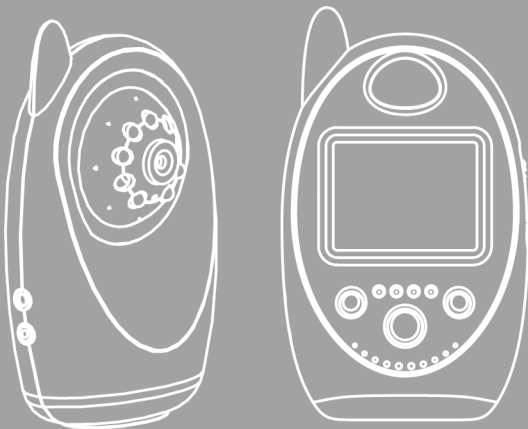


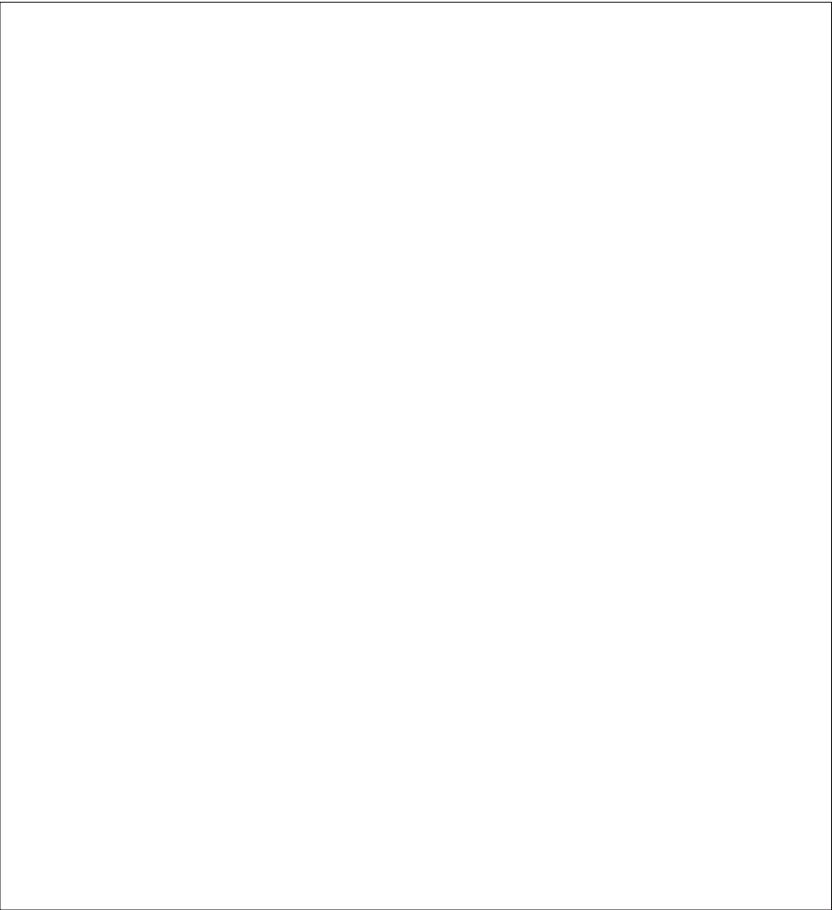
**SecurityMan®**



## **PalmWatch III**

**Wi-Fi Interference Free**

**Wireless Baby Monitoring System with Night Vision,  
Audio & Motion Detection**



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## **FCC Information**

Notes on FCC's "Consistent Statement of Information" This product meet the requirements specified in Part 15 of FCC Regulation. Operation rests with the following two conditions:

- (1) The equipment should not cause any harmful interference.
- (2) The equipment must receive and process any interference, including any possible interference caused by operation mistakes.

After testing the product, we confirm that the camera complies with the provision for class C digital equipment in the 15th part in FCC regulations; and the receiver complies with the limitations for class B digital equipment in Part 15 of FCC regulation. The product generates, applies and emits radio waves. It might cause harmful interferences to wireless communication if not be installed and used following the description of the manual.

The product may cause interference in residential area, and the customer should take remedies to eliminate the interference on their own costs. If the product causes any harmful interference to wireless equipment or disturbs the receiving of TV signals (it can be identified by turning on and off the product), you can solve the trouble by following methods:

- Readjust the product or put it in another place.
- Extend the distance between the equipment interfered and the product.
- Refer to dealers or experienced radio electrician for help.

## **Warranty**

SecurityMan warrants that this product will be free from defects in materials and workmanship for period of time specified on the product packaging. This limited warranty shall commence from the date of purchase. SecurityMan Products warranty is not transferable and is limited to the original purchaser. If the product is found to be defective then, as your sole remedy and as the manufacturer's only obligation, SecurityMan will repair or replace the product . This warranty shall not apply to products that have been subjected to abuse, misuse, abnormal electrical or environmental conditions, normal wear and tear or any condition other than what can be considered normal use.

## **Limitation of Liability**

The liability of SecurityMan arising from this warranty and sale shall be limited to a refund of the purchase price. In no event shall SecurityMan be liable for costs of procurement of substitute products or services, or for any lost profits, or for any consequential, incidental, direct or indirect damages, however caused and on any theory of liability, arising from this warranty and sale.

These limitations shall apply not with standing any failure of essential purpose of any limited remedy.

## **SecurityMan**

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Email: [info@securitymaninc.com](mailto:info@securitymaninc.com)

Website: <http://www.securitymaninc.com>

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**Notice:**

0.9GHz wireless camera works at ISM band. It may cause interferences with other wireless equipment that operates at the same band. Please turn off one of the equipment to eliminate the interference.

**Product Assurance**

0.9GHz wireless camera will emit electromagnetic wave, just like other wireless products. But the output power of the products is lesser than other wireless products such as mobile phones. The 0.9GHz wireless camera meets wireless frequency security standards and recommend indexes while working. These standards and indexes are certificated by academic organization and represent the cogitative research of the scientific workers who continuously explore and annotate the involved fields. So we believe that our products are safe for customers.

**Operating Restrictions**

DO NOT use this product to violate one's privacy. Monitoring one's activities without consent is illegal and this product is not designed and manufactured for these purposes.

DO NOT put this product near any medical equipment. Radio waves might potentially cause breakdown of electrical medical equipment. This product should be placed at least 1 feet away from any heart pacemaker. Radio waves might potentially influence heart pacemaker and lead to respiratory disturbance.

DO NOT use this product for any illegal activities. SecurityMan shall not be responsible for any consequences of illegal conducts by users.

## **Conditions**

Please read the following messages to make sure whether your working environment is suitable.

- Ensure there is enough space around the receiver for ventilation.
- The temperature should be kept between  $-10^{\circ}\text{C}$  and  $50^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$  –  $+122^{\circ}\text{F}$ ). The relative humidity should remain from 20% to 80%.
- Avoid putting the product in places where occur might change rapidly in temperature or humidity
- Keep it dry, dustless and avoid exposure in it directly in sunlight
- Keep product away from heat sources such as electric heater
- Do not use the camera near aggressive chemicals
- Do not place product near any magnetic objects

## **Maintenance**

- It might influence the normal operation of the product if used at the fringe-range of normal temperature. Please turn off the power when not in use
- Do not disassemble the product.
- Do not shake or stricken the product.
- Do not use this camera near water- for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool; and the like.
- Please obey the local government's environment protection policy

## Warning:

- In order to avoid inflammation or electric shock, this machine should be kept away from exposure to rain or moist, and it shall not be put in or near bathrooms, washing pools, washhouses, moist basements, or swimming pools.
- In use of sockets set on walls or extension wires, attention should be paid not to exceed their load capabilities to avoid inflammation or electric shock;
- Casings are not allowed to open, otherwise the internal precision parts may get damaged, or personal injury caused.
- Switch off the power supply in the events of thunder and lightning or when not in use for long periods of time.
- Do not attempt to service the product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

## Important Information

The user's manual provides important information for customers to use their products properly, and avoid possible injuries and damages.



The condition of being susceptible to harm or injury



A careful attention to the probable effects of an act, in order that failure or harm may be avoided



A notification or communication of a fact, claim, demand, or proceeding



Information about a particular subject



Something that should not be done



**DO NOT** put the package plastic bags in reach of children or babies.

\*It might cause asphyxia if children or babies putting the bags into their mouths.



**DO NOT** plug the AC adapter into the outlet in improper situation.

\*Plugging AC adapter with wet hand might cause electric shock. Plugging AC adapter unsteadily might cause fire or electric shock.



**DO NOT** cover the AC adapter when it is connected to power socket, place the adapter near heaters, and put it on the floor that is equipped with a heater.

\*The above-mentioned operation might cause fire or incidents.



**DO NOT** use it on airplanes. Please abide by the airways provision.

\*It might influence the communication aboard and the flying apparatus if departing from the airways regulation. This will result in accident, possible death and severe physical hurt.



**DO NOT** put the camera in the wet place where water might splash or where rainwater and mist might erode.

\*This place might cause fire, shock, short circuit, etc.



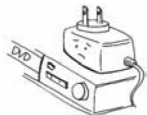
**DO NOT disassemble or repair the camera, the receiver and other relevant peripheral equipment.**

\*Improper disassembly might cause damages to the product or the peripheral equipment.



**DO NOT use the receiver on the surface of thermo labile material.**

\*Please embed thermal insulating material when using on the surface of the thermo labile material.



**DO NOT place or use the AC adapter on temperature sensitive materials.**

\*The above practice might cause the plastic distortion, fading or sticking on the surface.



**DO NOT touch, shake or hold the aerial.**

\*Touching, shaking or holding the aerial might influence the receiving of electromagnetic wave, and thereby influence the receiving effect.



**DO NOT use several cameras with neighboring frequency closely at the same time.**

\*The electromagnetic wave signal of the neighboring frequency might cause slight interferences and influence the receiving effect.



**DO NOT let several cameras with same frequency work at the same time.**

\*The overlap of the electromagnetic wave signal of the same frequency might cause severe interferences and unable to receive signals.



**Please adjust the brightness on TV or on monitor to achieve optimum efficiency.**

\*There are slight differences of brightness among cameras which can be adjusted



**DO NOT use the camera in complex environment. The obstruction of stumbling block will affect the electromagnetic wave and influence the receiving range.**

\*Wall, tree and other stumbling block might absorb, reflect the electromagnetic wave and influence the receiving range.



**DO NOT use the camera in the places that are covered by metal.**

\*Places surrounded by metal, such as elevator and cabinet, might shield the electromagnetic wave resulting in signal lost.

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## **Introduction**

Thank you for purchasing PalmWatch III. PalmWatch III is a state-of-the-art baby monitoring system designed for parents. It could also be used for monitoring elders and patients. While baby is sleeping, parents can be easily alerted by the motion and audio detection. The night vision feature also allows parents to watch their baby during the night. The camera is desktop standable or wall mountable. The portable 2.4" LCD monitor/receiver allows user to add one more camera to the system, for more viewing angles of their child, patient, etc. The AV output is also available for connecting a recorder or a bigger screen monitor.

Note: Please read the manual entirely before using the product.

## **Features :**

- D.I.Y.(do-it-yourself) wireless baby monitoring system
- Interference free from crowded 2.4GHz/5.8GHz devices
- Built in alarm triggered by motion and audio detection
- Night vision capability (B/W) up to 15ft
- Portable and battery operable camera and monitor(2.4"LCD)
- Microphone built-in to camera, and speaker built-in to receiver
- Transmission goes up to 330ft clear line of sight or 100ft indoors
- Camera can be hung on a wall or stood on a surface
- Two channels receiver supports up to two cameras

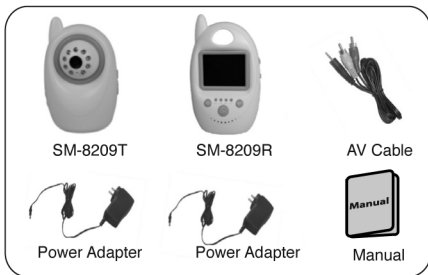
## **Technical Support**

In U.S.A, please call 1-909-230-6668 or in other areas,  
E-mail us at : [techsupport@securitymaninc.com](mailto:techsupport@securitymaninc.com)

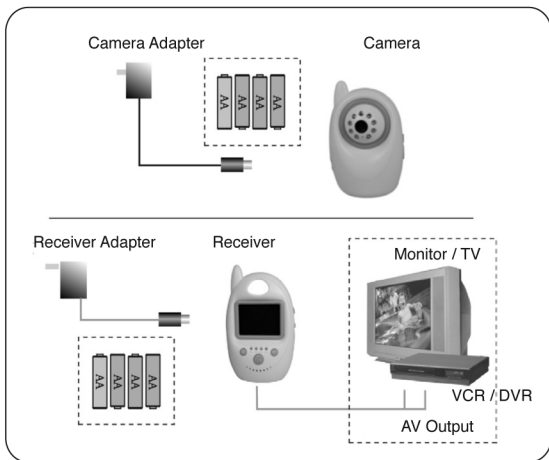
## Package Contents

### Packing List

- 1 x SM-8209T wireless camera
- 1 x SM-8209R monitor/receiver
- 2 x 8V DC power adapter
- 1 x AV cable
- User's Manual

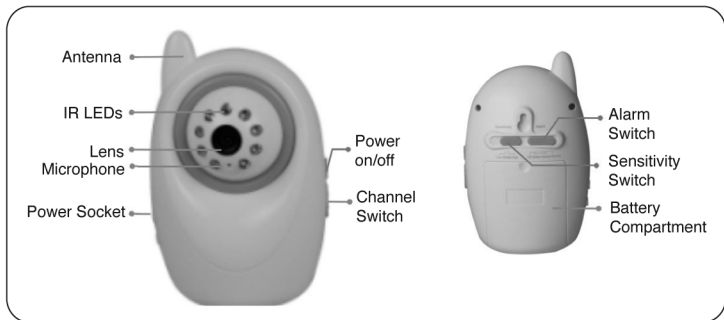


### Diagram

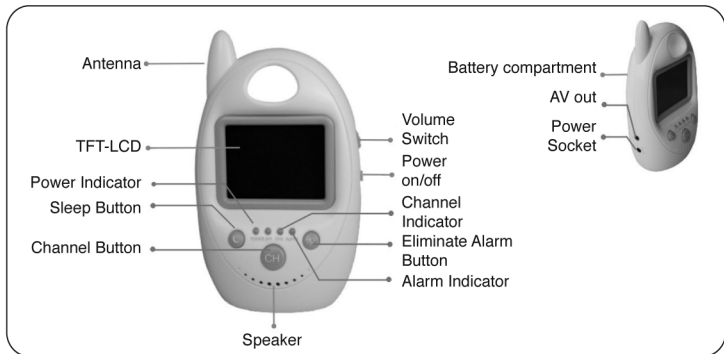


## Product Basics

### Camera



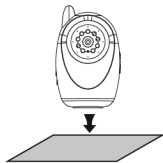
### Receiver



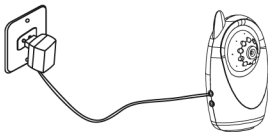
## Installation Diagram

### A) Camera Installation

1. Locate the camera to a specific position.

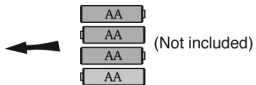


2. Connect the camera to the adapter and then slide the power switch to **ON** position.



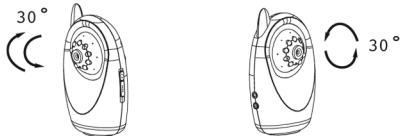
#### Note:

1. The camera can also be battery powered. Please use 4 AA battery to install into the battery compartment located at the back of the camera. Be sure to match the polarities, positive to positive and negative to negative.
2. If both the A/C and battery are in use the camera will draw its power from the AC adapter instead of from the battery.
3. If the camera is not in use for a long period of time, please unplug the adapter and remove the battery to avoid short circuit.



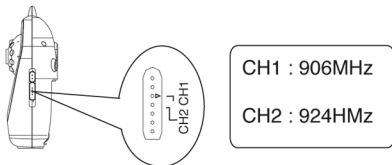
\* Battery power can last up to 10 hours (IR OFF)

3. Rotate the rounded head of the camera for a suitable surveillance angle .



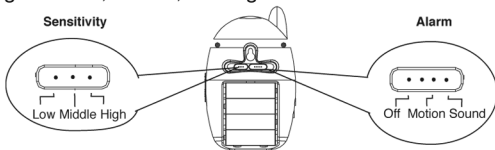
## B) Camera Channel Setup

1. The camera channel frequency are located on the side of the camera marked CH1 and CH2. Each channel has different frequency, the default channel setting is CH1. In cases where CH1 does not performed well change the channel frequency to CH2.
2. Press the "CH" button on the receiver to match the channel of the corresponding camera and the picture will display on the screen of the receiver.



## C) Camera Alarm Setup

The camera alarm can be triggered using one of the two methods: Motion or Sound Detection. Each method has independent adjustments of level of sensitivity ranging from low, middle, and high.



### **Motion Alarm Setup:**

Motion Alarm refers to the alarm against various movements. To setup motion alarm slide the alarm switch to Motion position and select Sensitivity level. The system enter motion alarm mode stand-by for changes or movements to occur in order to trigger the alarm. When movement is detected, the alarm begins to sound for 2 minutes or until the Eliminate Alarm button is pressed to snooze for 35 seconds. After the 35 seconds is up, the motion alarm will automatically stand-by for the next alarm to re-occur.

### **Sound Alarm Setup:**

Sound Alarm refers to the alarm against sound. To setup sound alarm, sound alarm slide the alarm switch to Sound position and select Sensitivity switch level. The system enter sound alarm mode stand-by to pick up sound for alarm to trigger. When sound is detected, the alarm begins to sound until the Eliminate Alarm Button is pressed to snooze for 35 seconds. After the 35 seconds is up, the sound alarm will automatically stand-by for the next alarm sound to re-occur.

### **OFF Alarm Setup:**

Alarm is disable when the Alarm is switch to the OFF position.

### **Note:**

Alarm motion/sound will automatically turn off if the Eliminate Alarm button are not press within 2 minutes. If both the battery and A/C adapter are in use and the alarm setup failed to trigger, please power cycle both the camera and receiver to re-activate the alarm.

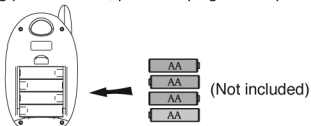
## D) Receiver Installation

1. Connect the receiver to the adapter and then slide the power switch to ON position.



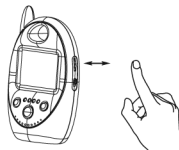
### Note:

1. The receiver can also be battery powered. Please use 4 AA battery to install into the battery compartment located at the back of the receiver. Be sure to match the polarities, positive to positive and negative to negative.
2. If both the A/C and battery are in use the receiver will draw its power from the AC adapter instead of from the battery.
3. If the receiver is not in use for a long period of time, please unplug the adapter and remove the battery to avoid short circuit.

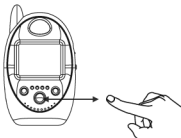


\* Battery power can last up to 5 hours

2. Adjust the volume control to a desired level.

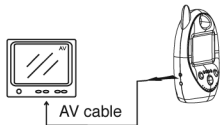


3. Set the channel of the receiver to match the camera by pressing the "CH" button to toggle between CH1 and CH2 for active corresponding camera(s). The picture of the corresponding camera(s) will display on the LCD screen.



**Note:**

For larger picture, please connect the LCD receiver to another monitor/TV using the AV cable (yellow for video and red for audio).



## E) Operation of Receiver

### 1. Volume Adjustment

Slide "Volume" dial to adjust the volume on the receiver.

### 2. Channel Selection

Press the "CH" button to select the appropriate channel.

### 3. Channel Looping

Press and hold down the "CH" button for 3 seconds to enter channel auto dwell mode. All available channels will display one by one (default interval is fixed at 3 seconds).

### 4. Sleep Mode

Press the "Sleep" button to shut down the LCD display to conserve power and enable stand-by mode for alarm sound trigger. If the camera is setup for motion or sound alarm and it triggers, then the LCD will create an alarm sound through the built-in speaker. The alarm sounds is fixed for 2 minutes or press the Eliminate Alarm button to snooze for 35 seconds and reset the alarm setup cycle.

**Note:** In "Sleep" mode, the LCD will not display any camera image, even when the alarm is triggered.

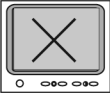

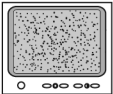



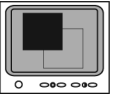

### 5. Eliminate Alarm Button

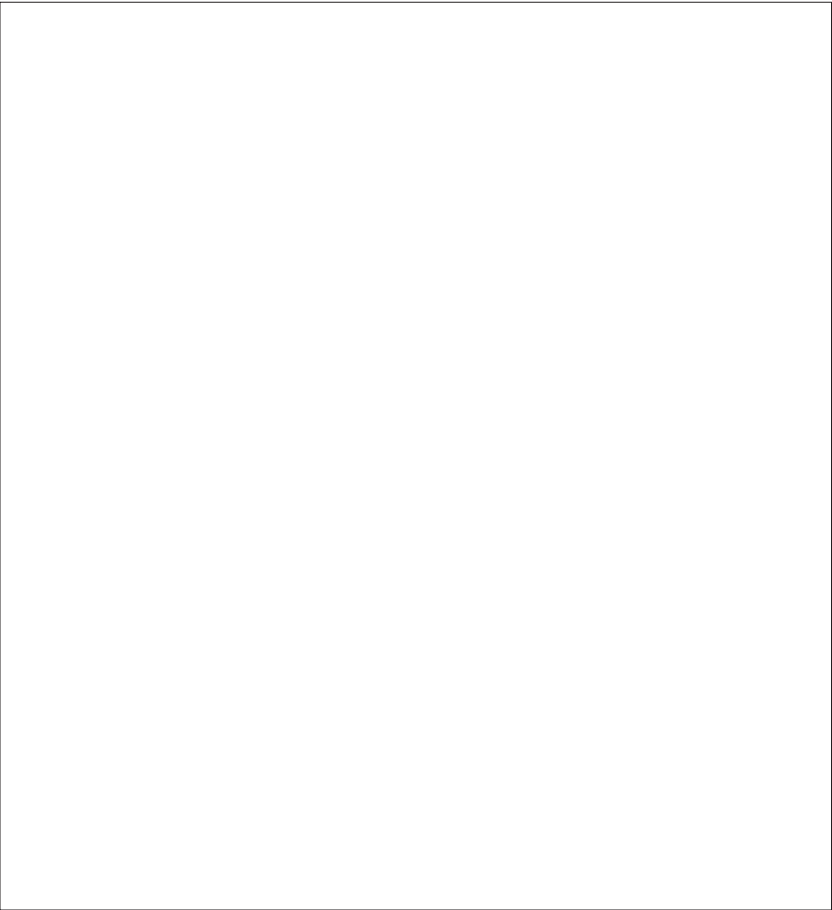
Press the "Eliminate Alarm" button to eliminate alarm sound for 35 seconds. After the 35 seconds is up, the alarm will automatically be on stand-by mode ready for the alarm to re-occur.

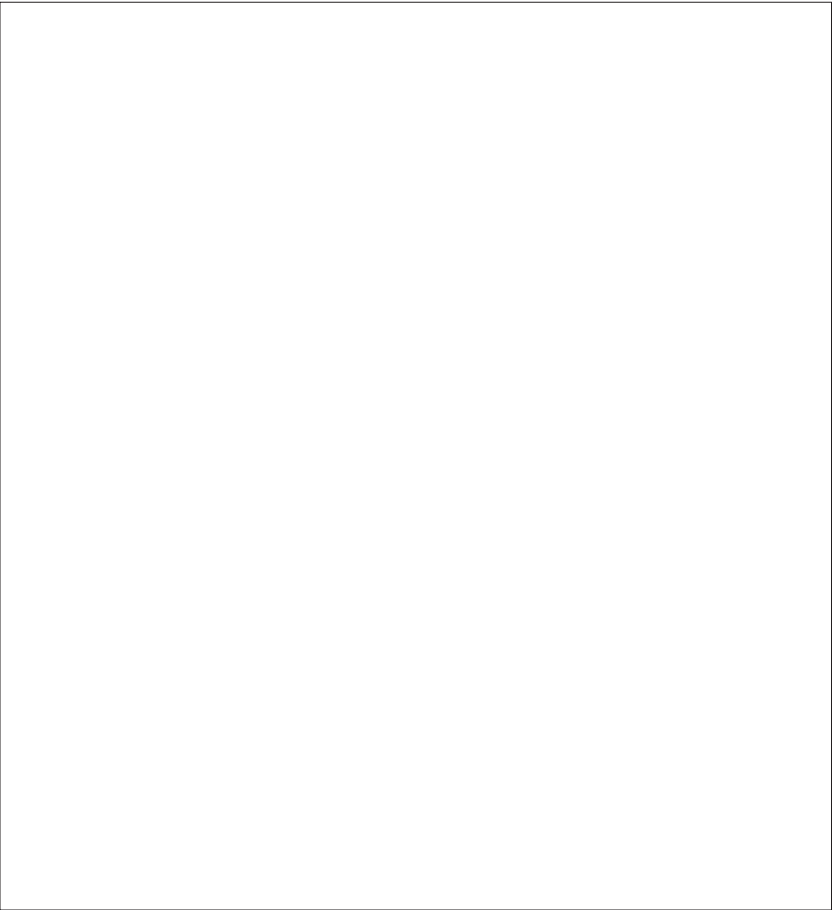
## Specification

	Item	Value
<b>GENERAL</b>	Transmission Frequency	ISM 900~930 MHz
	Transmission Power	10mW/CE; 2mW/FCC
	Operating Frequency	906MHz;924MHz (2 ch, manual/loop)
	Unobstructed Effective Range	330ft
	Modulation Mode	FM
	Operating Temperature	-10 ~ +50(Degree C) / +14~ +122(Degree F)
	Storage Temperature	-20 ~ +60(Degree C) / -4 ~ +140(Degree F)
	Operating Humidity	≤85%RH
<b>CAMERA (SM-8209T)</b>	Imaging Sensor Type	CMOS
	Picture Total Pixels	"NTSC: 720x480 Pixels"
	Horizontal Resolution	380 TV Lines
	View Angle	55°
	Minimum Illumination	0Lux (IR ON)
	BandWidth	18M
	Night Vision Range	5m (15ft)
	Battery Working Time	10 hours (IR OFF)(4xAA)
	Motion Detection	Camera Video Motion Detection (no interference problem)
	Sound Control Sensitivity	>63dB
	Consumption Current (Max.)	120mA(IR OFF)& 220mA(IR ON)
	Power Supply	DC +8V
	Dimensions(W_D_H)	86*48*135 mm
	Weight	146 g
<b>RECEIVER (SM-8209R)</b>	LCD Screen Type	2.4 inches TFT-LCD
	Effective Pixels	480x240
	Receiving Sensitivity	≤-85dBm
	Video System	NTSC
	Battery Working Time	5 hours (4xAA)
	Color Configuration	R.G.B.delta
	Consumption Current	200mA(Max.)
	Power Supply	DC +8V
	Dimensions (WxDxH)	86X54X143mm
	Weight	142g

## Troubleshooting

Abnormal Phenomena		Possible Reasons/Solutions
 <p>No image</p>	 <p>No sound</p>	<p>*Check the camera / receiver is connected to the power supplies, and powered on.</p>
 <p>Snowflakes on image</p>	 <p>Noisy</p>	<p>*Check the channel of the receiver to correspond with camera; *Check the distance and blocks.</p>
 <p>Ghost image</p>	 <p>Normal sound</p>	<p>*Interfered by other sources; *Check the distance and blocks.</p>
 <p>No color</p>	 <p>Normal sound</p>	<p>*Mismatching system of PAL TV and NTSC cameras or vice versa.</p>





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