

SecurityMan®



AVWatch

Day/Night Motion/Audio sensor
2.4GHz Wireless Color Camera Kit User Guide

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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.

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Notice:

2.4Ghz 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

2.4Ghz 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 2.4Ghz 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 -20°C and 50°C ($-4\text{F} - 122^{\circ}\text{F}$). 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

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Introduction

Thank you for purchasing AVWatch Day/Night Motion/Audio Sensor Wireless Color Camera Kit. It consists of a vivid CMOS Color Camera with night vision (B/W), and a Video Receiver unit which you connect to a TV anywhere in your home (up to 100ft. away from the camera). The Camera converts the video and audio signals into radio signals and transmits them to the Video Receiver. The Receiver converts the signals back to video and audio signals which are fed through a cable to your TV's or VCR's A/V input jacks.

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

Package contents:

Wireless Color Camera (SM-850) x 1
2.4GHz Wireless Receiver (SM-733) x 1
AV Cable x 1
8V power adapter x 2
Camera hanging bracket and mounting hardware

Technical Support

In U.S.A, please call 1-626-214-2770 or in other areas,
E-mail us at: techsupport@securitymaninc.com

SM-850 Camera Features:

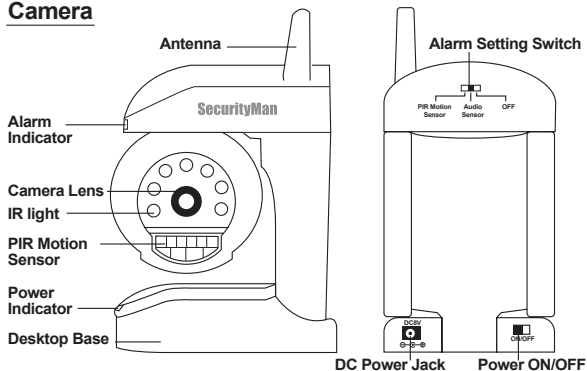
- Vivid CMOS color camera with night vision (B/W)
- Selectable motion or audio detection triggers recorder alarm
- 3 channels available to avoid possible interference
- Special bracket for desktop and wall-mount
- Up to 300ft. video transmission
(up to 100ft for indoor and up to 300ft for clear line of sight.)
- Built-in microphone for audio detection
- No pet motion false alarm

SM-733 Receiver Features:

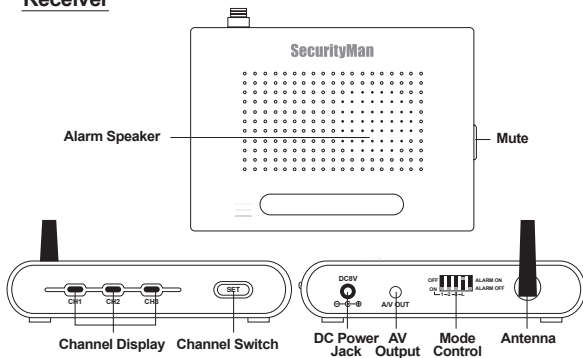
- Channel-scan function support up to 3 cameras
- Frequency lock function
- Built-in speaker
- Video out for TV monitor or recorder

Product Basics

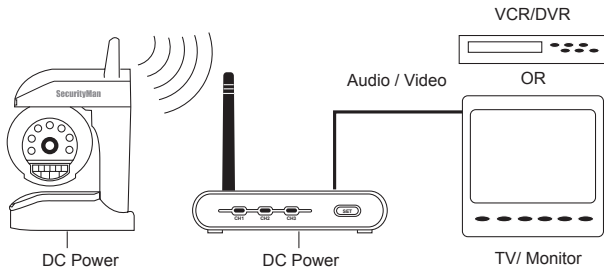
Camera



Receiver



Installation Diagram

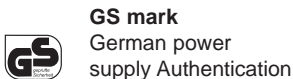
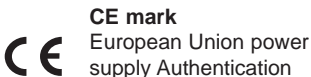
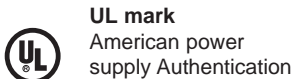


WARNING: When using power adapter, make sure the voltage indications on the adapters are compatible to the devices to avoid potential damages for incorrect usage of power.

Adapter & Battery

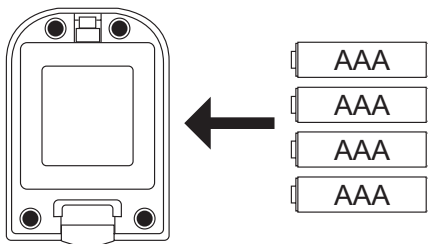
Adapter

2.4GHz wireless heat detection monitor kit always conform to the authenticated AC adapter. The adapter should be marked as follow:



Battery

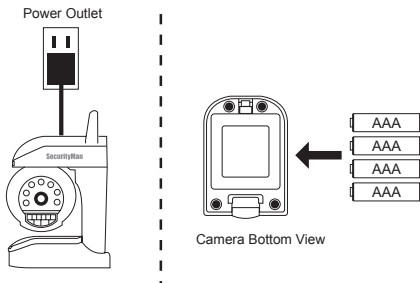
The camera could be powered by 4 AAA batteries (included) for temporary use.



Camera Bottom View

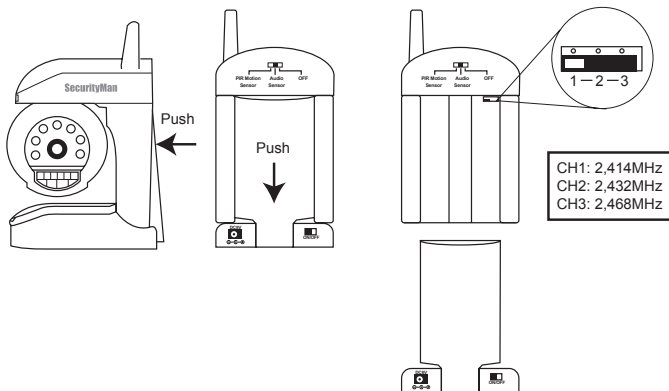
Installation

- 1) Connect the power jack of adapter (DC 8V 300mA) or insert 4 AAA batteries to camera. Turn on the power switch, and the red power indicator light will on.

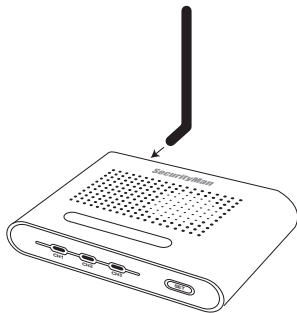


Camera Bottom View

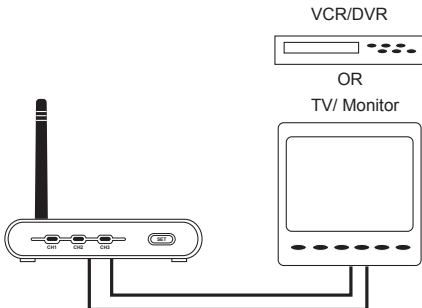
- 2) Set the camera to desired Channel, and place the camera at desired location.



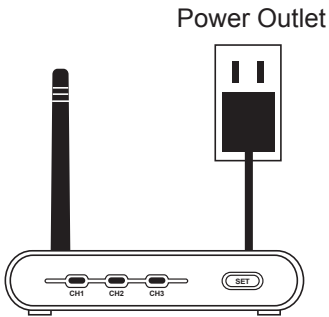
- 3) Connect the antenna to the Receiver.



- 4) Connect one end of the A/V cable to the A/V out jacks of the Receiver. Connect the other end to your TV/Monitor/VCR/DVR A/V jacks.

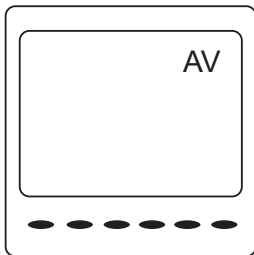


- 5) Plug the Receiver's Power Supply (8V DC 300mA Adapter) into any wall outlet and plug its jack into the Receiver. The channel indicator light will turn on.

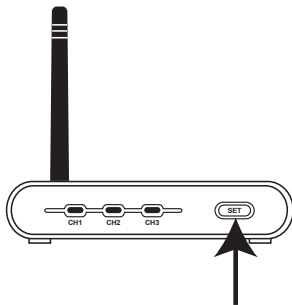


- 6) Turn on the monitor/TV to AV mode.

TV/ Monitor



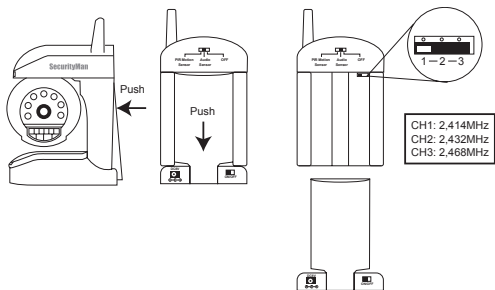
- 7) Press the channel button on the receiver until the Channel LED indication match to the channel on the corresponding camera..



- 8) Adjust the brightness, contrast, and color settings of the Monitor/TV to get the best display effect.

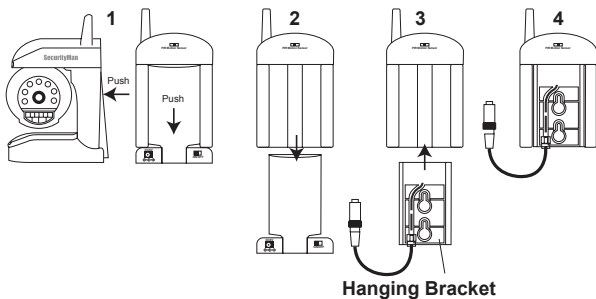
Camera Channel Setup

The camera has 3 selectable channel to avoid possible interference from other nearby wireless devices.



Hanging Bracket

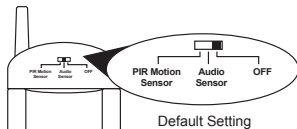
The camera can be mounted on the wall by using the hanging bracket in the package. However, the hanging bracket does not include power switch, therefore, power switch function for the camera will be disabled.



Alarm Setup

The camera provides either Heat-detection or Voice-detection alarm. You can change alarm method via the alarm setting switch.

Alarm Setting Switch



PIR Motion Sensor

Camera will be set as Heat-detection alarm

Audio Sensor

Camera will be set as Voice-detection alarm

OFF

Camera will set as no alarm function

Alarm Indicator

Green

The alarm indicator will light green when you select “PIR Motion Sensor” or when the camera detected the body motion.

Red

The alarm indicator will light red when you select “Audio Sensor” or when the camera detected noise.



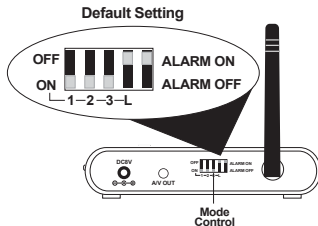
Snooze Button on Receiver

The receiver provides alarm beep when the camera detect motion or noise, and alarm beep will last 9 seconds. You could press the “SNOOZE” button on the side of the receiver to temporarily stop the alarm from beeping for 30 seconds before it comes back on. **Note: if you want to completely turn off the alarm beep, set the alarm setting switch on the camera to” OFF”.**

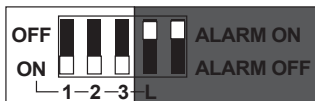


Mode Control Setup

The receiver can support up to 3 cameras working at the same time. You can adjust the mode control to set the working status as described below. The mode control has the highest priority.



Channel Set



- 1- ON: CH1 Enable (Default)
OFF: CH1 Disable
- 2- ON: CH2 Enable (Default)
OFF: CH2 Disable
- 3- ON: CH3 Enable (Default)
OFF: CH3 Disable

Channel-Scan Set



- L- ON: Channel-Scan Enable
OFF: Channel-Scan Disable (Default)

Alarm Set



- Alarm ON: Alarm beep Enable (Default)
- Alarm OFF: Alarm beep Disable

Channel Set:

You can confirm which channel is set to receive signal from corresponding camera. (Note: This channel set mode is recommended for channel setting on the receiver than channel switch.)

Channel-Scan Set:

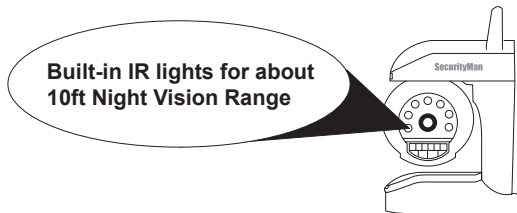
The Channel-Scan function support multi-camera usage. When the camera turn on, all available channels will display one by one looping in turn per 5 second. So that you can watch the situation from up to 3 different cameras via one receiver.

Alarm Set









You can set the switch to “Alarm OFF” to disable the beeping function of receiver when you do not need it.

Night Vision

The built-in 8 Infra-red lights in camera provide night vision for 24hrs surveillance. The Infra-red lights will be automatically activated in dark night or places without light in about 10ft range. The picture will turn to Black & White (monochrome) in Night Vision status.



Troubleshooting

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

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.



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