

SecurityMan®

User's Manual



PalmCam

**Weatherproof Portable Wireless Rearview Camera System
With 2.4" LCD Monitor & Rechargeable Battery**

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FCC Information

Notes on FCC's "Consistent Statement of Information" This product meets 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 areas, and the customer should take remedies to eliminate the interference at their own cost.

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 problem by using these methods:

- Readjust the product or put it in another place.
- Extend the distance between the equipment causing the interference and the product.
- Contact your equipment dealer or an electrician with radio interference experience for help.

Warranty

SecurityMan warrants that this product will be free from defects in materials and workmanship for one year or otherwise 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.

Operating Restrictions

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

DO NOT put this product near any medical equipment. Radio waves may potentially cause electrical medical equipment to malfunction. This product should be placed at least 1 foot away from people with a heart pacemaker. Radio waves might potentially influence heart pacemakers and lead to respiratory disturbances.

DO NOT use this product for any illegal activities. SecurityMan shall not be responsible for any consequences as a result of your illegal use.

Conditions

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

- Ensure there is enough space around the receiver for proper ventilation.
- The temperature should be kept between -10°C and 50°C (14°F to 122°F). The relative humidity should be kept between 20% and 80%.
- Avoid putting the product in places where temperature or humidity may change rapidly.
- Keep it dry, dustless and avoid exposure in it directly in sunlight.
- Keep product away from heat sources such as electric heaters.
- Do not use the wireless camera near harmful chemicals.
- Do not place product near any strong magnetic objects.

Warning

- Do not shake or strike the product.
- In order to avoid inflammation or electric shock, this converter kit should be kept away from exposure to rain or moist, and it shall not be put in or near bath-rooms, washing pools, washhouses, moist basements, or swimming pools, unless it is well shielded.
- 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.
- Do not disassemble the product casings, otherwise the internal precision parts may get damaged, or personal injury caused.
- Switch off the power supply in thunder and lightning weather 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.

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 withstanding any failure of essential purpose of any limited remedy.

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Notice

2.4GHz wireless camera works on the ISM band. It may cause interference with other wireless equipment that operates on the same band. Please turn off one of the pieces of equipment to eliminate the interference.

Product Assurance

2.4GHz wireless camera will emit electromagnetic waves, 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 recommended indexes while working. These standards and indexes are certified by an 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.

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INTRODUCTION

Thank you for choosing our PalmCam product. Please read the User Manual carefully before using this product. The product is a wireless portable magnetic camera and LCD monitor system. It is easy to mount to any vehicle and use as a temporary security camera system wherever is needed. Practically use to monitor activities behind a vehicle while backing up; to watch out for people, watch objects, keep an eye on livestock, merchandise and any other personal belongings in trailer. It is a perfect gadget for hitching up trailers or boats. Simply mount the magnetic camera to the tailgate, monitor hitch while backing up, hitch up and go.

FEATURES

- Portable and easy to mount 2.4GHz wireless color camera with magnetic stand.
- Portable and easy to mount monitor to windshield/glass or air-vent.
- 2.4" color LCD monitor with 480 x 240 resolution and built-in wireless receiver.
- Infrared (IR) night vision range up to 3m/10ft.

- Built-in rechargeable Li-battery in camera lasts up to 1.5hrs (IR on) and 3 hrs (IR off).
- Wireless transmission goes up to 100m (330ft) in open space.
- Image Orientation function for proper rear view display.
- Ideal for drivers of RVs, trucks, SUVs, and U-Hauls.

PACKING LIST

- 1 1 x Wireless camera with magnetic mounting bracket
- 2 1 x 2.4GHz wireless monitor
- 3 1 x Cigarette lighter adapter (12v/24v)
- 4 1 x AC power adapter
- 5 2 x Y adapter cables
- 6 1 x Monitor suction cup (Monitor mount)
- 7 1 x Monitor vent clip (Monitor mount)
- 8 1 x Weatherproof cover (Slip on rear of camera)
- 9 1 x Video cable (Video output connection to larger monitor)
- 10 1x Pouch
- 11 1 x User's Manual

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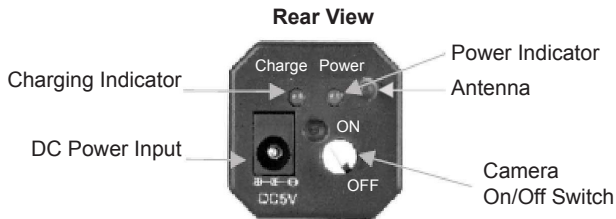
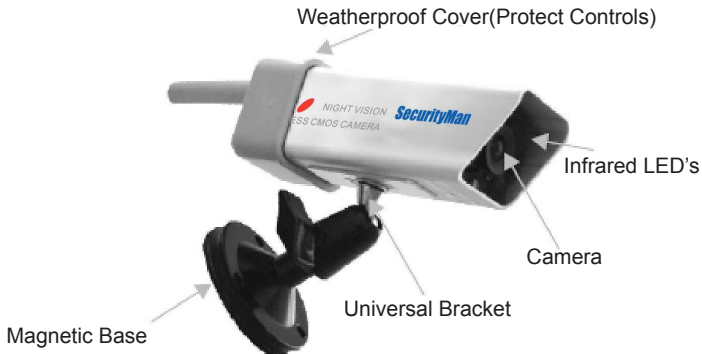


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PRODUCT BASICS

Wireless Camera (SM-842T)



LCD Monitor (SM-842R)

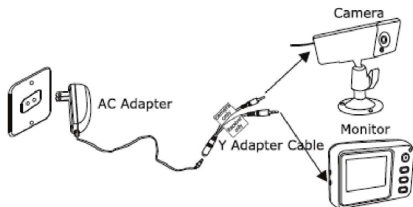


CHARGING METHODS

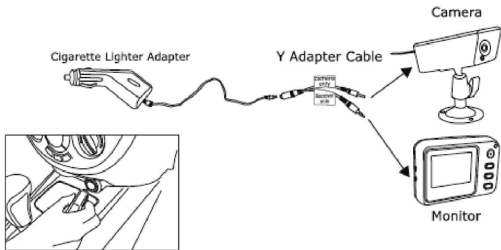
There are two ways to charge the rechargeable batteries for the wireless camera and LCD monitor. The first method is to use the included AC adapter by plugging one end into the camera/monitor and the other end of the AC plugs into an electrical outlet. The second method is to use the included cigarette lighter adapter by plugging one end into the camera/monitor and the other end of the AC plugs into a 12V cigarette lighter socket.

1. Using the AC Adapter to charge:

Connect one end of the Y Adapter Cable to the camera and monitor as indicated on the labels as “Camera Only” and “Monitor Only” respectively. Then connect the other end to the AC Adapter. Finally, plug the AC Adapter to an AC electrical outlet. The power indicator will turn red to indicate charging as illustrated below.



2. Using the Cigarette Lighter Adapter to charge:
Connect one end of the Y Adapter Cable to the camera and monitor as indicated on the labels as “Camera Only” and “Monitor Only” respectively. Then connect the other end to the Cigarette Lighter Adapter. Finally, plug the adapter to the vehicle’s cigarette



lighter power socket. The power indicator will turn red for charging.

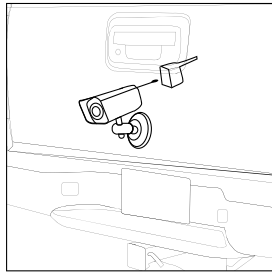
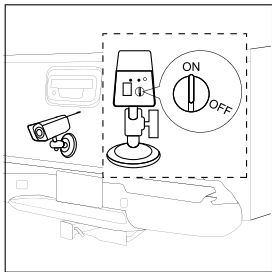
Notes

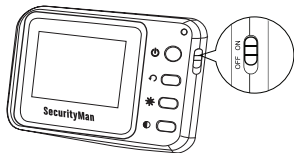
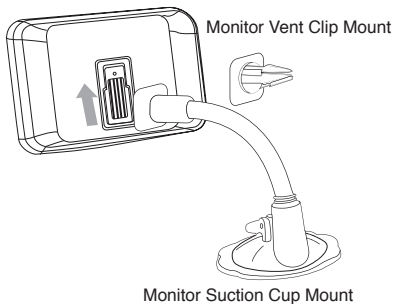
1. It takes about 2 hours to fully charge the camera. Camera usage lasts about 1.5 hours with IR on and lasts about 3 hours with IR off.
2. It takes up to 8 hours to fully charge the monitor. Monitor usage last up to 6 hours.

INSTALLATION & USAGE

Camera installation and usage:

1. Ensure the camera is fully charged. Place the magnetic base of the camera on a metal body where you will have the best viewing angle for the targeted object or hitch. The viewing angle can be adjusted by the camera bracket.
2. Remove the weatherproof cover of the camera, turn on the camera by rotating the power switch from OFF to ON. The power indicator LED will turn green once the camera is on.
3. Replace the weatherproof cover on the back side of the camera. The clear version of the cover allows you to see the power indicator LED. Always operate the camera with its cover in place.
4. The camera has infrared LED's (IR) built-in for night vision capability. It will turn on automatically when it is in low light conditions and will show black and white images. The night vision range is about 10ft.





Monitor installation and usage:

1. Ensure the monitor is fully charged or connected to a power source. Select either the Monitor Suction Cup Mount or the Monitor Vent Clip Mount as illustrated above. Slide either mount on the rear of the monitor, then secure the monitor in a convenient location.
2. Slide the power ON/OFF switch of the monitor (right side) to the ON position. Then press LCD ON/OFF button (front upper right) to the ON position. The power indicator LED will turn green.
3. The camera image will display on the LCD monitor. Press control buttons of Brightness, Contrast, and Image Orientation as needed.
4. The VIDEO OUT interface allows you to output video images to a bigger monitor or to a recorder by using the video cable provided.

PRODUCT DISCLAIMER

IMPORTANT WARNINGS

1. By law, there are some places where it is not allowed to have a video screen displayed while driving. Please check your local regulations. SecurityMan will not be responsible for any unlawful usage of this product by the user.
2. This camera system is not meant to let the driver rely on it 100% or to guarantee the safety of driving. The driver still needs to use good judgment and safe driving habits.
3. The objects in the camera image may appear farther than the actual objects. SecurityMan will not be responsible for any accident that occurs due to relying solely on our product.

SPECIFICATIONS

Camera (SM-842T)		Monitor (SM-842R)	
Image Sensor	Color CMOS	Monitor	2.4" TFT LCD (color)
Total Pixels	712x486 (NTSC)	LCD Resolution	480x240
Transmission Frequency	ISM 2468MHz	Receiving Frequency	ISM 2468MHz
Modulation Type	FM	Demodulation Type	FM
Bandwidth	18MHz	Receiving Sensitivity	≤-85dBm
Wireless transmission rang	Up to 100m / 330 ft (open space)	Power Consumption	450mA (Max.)
Rechargeable Battery (built-in)	Lithium Battery, 3.7v 500mAh, 2 hrs charge time and 1.5 hrs (IR on)/3 hrs (IR off) work time	Rechargeable Battery (built-in)	Lithium Battery, 3.7v 1750mAh, up to 8 hrs charge time and up to 6 hrs work time
Power Supply	5 VDC 1.0A	Power Supply	5 VDC 1.0A
Transmission Power	2mW		
Night Vision Range (IR)	Up to 3m/10ft		
Dimensions	28 x 90 x 28 mm (camera only)	Dimensions	100 x 70 x 30 mm
Weight (net)	110 g (camera only)	Weight (net)	140 g (monitor w/o battery)
Operating Temperature	-10°C~+50°C /+14°F~+122°F		
Operating Humidity	15-85%RH		

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 information.



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