

## **SM-821DT User's Manual**

**Indoor Pan/Tilt/Zoom Add-on Wireless  
Camera For DIGILCDNDVR Series**

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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 Inc warrants that this product will be free from defects in title, materials and manufacturing 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.

## Warranty Disclaimers

SecurityMan Inc, makes no other warranties, express, implied or otherwise, regarding this product, and specifically disclaims any warranty for merchantability or fitness for a particular purpose. The exclusion of implied warranties is not permitted in some states and the exclusions specified herein may not apply to you. This warranty provides you with specific legal rights. There may be other rights that you have which vary from state to state.

## Limitation of Liability

The liability of SecurityMan Inc, 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.

**For Tech Support Call: 888-977-3777**

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## Features

- Required compatible SM-871DR monitor/receiver
- 2.4GHz digital wireless camera for DigiLCDNDVRB and DigiLCDNDVR2
- Pan, Tilt, and Zoom
- Increased range of transmission up to 200ft between walls and up to 490ft in clear line of sight
- No Wi-Fi interference; no interference from crowded analog devices 900MHz/2.4GHz/5.8GHz/6.0GHz devices
- Secure signal: neighbors cannot pick up the signal or listen in
- Built-in microphone for audible recording up to 30ft away
- IR LEDs for night vision (30ft B/W)
- Increased range of transmission up to 200ft between walls and up to 490ft

## Important

This guide provides important information on the use and operation of your **SM-821DT**. Please read all the information carefully prior to using the product for the best performance and to prevent any damage/injuries or misuse of the device(s). Customers are entitled to have read through this complete user's manual before using the **SM-821DT**. Any unapproved changes or modifications will void your warranty. Please ensure to have a complete understanding of the following restrictions.

## Restrictions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages. Retain and follow all product safety and operating instructions. Observe all warnings in the product operating instructions. To reduce the risk of bodily injury, electric shock, fire

and damage to the equipment, observe the following precautions.

**PLEASE NOTE** that under certain circumstances, audio/video recording may be PROHIBITED by law. This device should be used only in compliance with all applicable federal, state and local statutes.

- **DO NOT** place this product too close to medical equipment.
  1. Radio waves may potentially cause breakdown of medical electrical equipment and thus cause incidents.
  2. Place this product at least 22cm from the heart pacemaker. Radio wave potentially influences heart pacemaker and thus leads to respiratory disturbance.
  
- **DO NOT** use this product to monitor equipment or activities that are relevant to one's privacy.  
Monitoring one's private activities without consent is illegal and this product is not designed or manufactured for these purposes.
  
- **DO NOT** use this product to carry out any illegal activities such as sneak preview, and etc.  
SecurityMan shall not be responsible for any consequences of illegal conducts made by users.
  
- **DO NOT** put the plastic package bags in reach of children or babies. Young children can choke on these items if they put them into their mouths.
  
- **DO NOT** plug the AC adapter into the outlet in improper situations.
  - Plugging in an AC adapter with wet hands might cause electric shock.
  - Plugging in the AC adapter unsteadily might cause fire or electric shock.
  
- **DO NOT** cover the AC adapter when it is connected to an outlet, place the

adapter near heaters, or put it on the floor which is equipped with a heater. The above mentioned operation might cause fire or incidents.

- **DO NOT** use it aboard; please abide by the airway's provision. It might influence communication aboard and the flying apparatus if departing from the airway's regulation. This will result in accident, possible death and severe physical hurt.
- **DO NOT** disassemble or repair the camera, receiver or other relevant peripheral equipments by yourself. Improper disassembly might cause damages to the product or the peripheral equipment.
- **DO NOT** put the camera in quaky paces. The camera may be unstable or out of operation if installed improperly. Such installation may also cause breakdown.
- **DO NOT** touch, shake or hold the antenna. Touching, shaking or holing the antenna might influence the receiving of electromagnetic wave, and thereby influence the receiving effect.
- **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 which are covered with metal. The around metal, such as elevator and cabin, might shield the electromagnetic wave, and result in inability to receive signals.

## CONDITIONS

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

- The temperature should be kept between  $-10^{\circ}\text{C}$  and  $50^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ ). 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 lens exposure in direct sunlight.
- Keep product away from heat sources such as electric heaters.
- Do not use the camera near harmful chemicals.
- Do not place product near any strong magnetic objects
- 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 strike the product.
- Please obey the local government's environment protection policy.

## Contents



1 x SM-821DT  
(w/ Antenna)



1 x Mounting  
Bracket



1 x AC Adapter



Mounting  
Screws



User's  
Manual

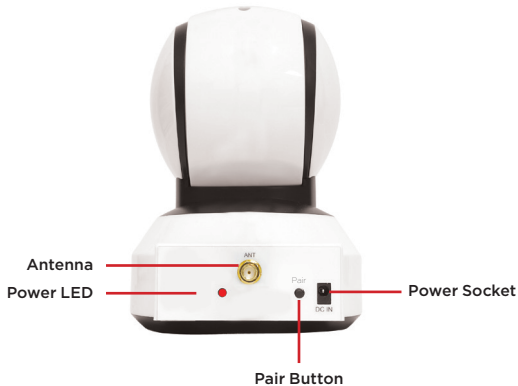


## Product Basics

### Front



### Back



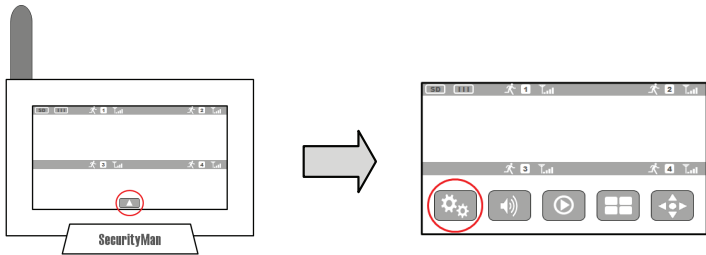
## Operation

### Adding your camera to the SM-871DR receiver

The SM-871DR is a 4 channel receive and can support up to 4 cameras (SM-816DTX or SM-821DT). To add a camera, make sure that the camera is powered on and is no more than **2 feet away** from the receiver and follow the steps below.

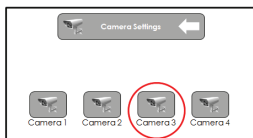
**NOTE:** You can relocate the camera after you have successfully added it.

1. Tap the **Menu** icon on the receiver and then tap on the **Settings** icon.



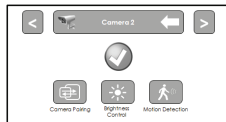
2. Tap on the **Camera** icon and select which channel you want to add the new camera too.

**NOTE:** You can add up to 4 cameras to the DVR. Adding a camera to a channel that is currently occupied will replace the current camera. Please select a vacant channel.



3. Now select **Camera Pairing** from the available options and “keep pressing” (press/release/press/release) the **Pairing Button** located on the back of your camera until you see a green “Check Mark” on the screen.

**NOTE:** Please repeat the process if a red “X” is displayed at any time during the pairing process.



## Specifications

\*\*\*Required and compatible with SM-871DR monitor/receiver.

Operating frequency	2.4GHz
Imaging sensor type	CMOS Color
Resolution	640 x 480 pixels (NTSC/PAL selectable)
Minimum illumination	2 Lux (IR off); 0 Lux (IR on)
LED night vision range	Up to 30ft (B/W)
Viewing angle	Horizontal:210° Vertical:90°
PTZ	Pan-Tilt, 2x digital zoom
Pairing button	1
Antenna	1 x Angle adjustable antenna
Power supply	DC 5V 1.2A
Consumption current	500 ± 100mA
Transmission rate	25fps (only with effective distance)
Transmission distance	Up to 490 ft clear line of sight; up to 200 ft (indoor)
Operating temperature	-10 ~ +50 °C/ +14 ~+122 °F
Storage temperature	-20 ~ +60 °C/-4 ~+140 °F
Operating humidity	<85%RH
Dimensions (camera body)	5" x 4.5" x 4" (inches)
Weight	0.66 lbs (300g)

If you encounter any difficulty in the operation of this product after reading the manual, please feel free to contact us. You can reach us by phone at **1-888-977-3777** from 8:30 AM to 5:30 PM Monday through Friday (Pacific Standard Time) or by email **techsupport@securitymaninc.com**. We will be happy to answer your questions and help you in any way we can.

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