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User's Manual

Hz Wireless Color Camera Kit
(Day/Night & Weather-proof)
MODEL: CM-918T2



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EU Environmental Protection

electrical products Waste should not be disposed of with household trash. Please recycle at your local recycling facility. Check with your Local Authority or retailer for recycling advice.

INTRODUCTION

Thank you for purchasing this wireless camera kit. This product works at ISM-900MHz frequency band, which could be legally used worldwide without permission. We feel confident that you will be pleased with the quality and the features of this product.

The camera features a CMOS image sensor and a transmitting module to take in images and transmit them wirelessly

The receiver features a receiving module to receive and output AV signals.

Notice

Notice: This product may cause interferences with other wireless equipment that operates at 900MHz ISM band. Please change the angle of receiver antenna and/or move the receiver to different locations to eliminate the interference.

Product Safety: This camera will emit electromagnetic wave, just like other wireless products. But its transmitting power is less than other wireless products, such as mobile phones. The 900MHz wireless camera meets the wireless frequency security standards and the appropriate working metrics recommended. These standards and metrics went through certification by academic institutions and represent the research results of the science workers who continuously explore and renovate the related fields. Consequently, it is our belief that our products are safe for use.

Approval Information

All our products have met the requirements for approval by the FCC or CE, and have been given the FCC or CE certification. They are hereby authorized to bear FCC or CE mark.

FCC information

Notes on complying with FCC's "Statement of Conformity Information"
This product meets the requirements specified in Part 15 of the FCC Regulations. This product's performance satisfies the following two conditions:

- (1)The equipment must not cause any detrimental 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 it complies with the provision for Class C digital equipment in Part 15 of the FCC Regulations; and the receiver complies with the limitations for Class B digital equipment in Part 15 of the FCC Regulations. The product generates, utilizes and emits radio waves. It may cause detrimental interference to wireless communication if not installed and used according to the instructions in the manual. The product may cause interference in residential areas, and consumers should take necessary steps to eliminate the interference on their own. If the product causes any detrimental interference to wireless equipment or disturbs TV signals reception (which can be verified by turning on and off the product), you can try to troubleshoot by doing the following:











- (1)Readjust the product or set it up in another place;
- (2)Extend the distance between the equipment interfered and the product; and
- (3)Consult a dealer or an experienced radio technician for help.

EU Authentication Statement

This product complies with all appropriate EU standards including Low Voltage Device Directive 73/23/EEC; EMC Directive 89/336/EEC and R&TTE Directive 1999/5/EC. It passed the required product tests administered by the appropriate authorities and is authorized to bear CE Mark.

TROUBLESHOOTING

If you have experienced any problem during operation, please check and try the following before presuming it is a defective product or consulting an experienced technician.

Trouble		Possible Solution
 No image	 No sound	1. Check the power supply 2. Make sure that both the camera and receiver are connected with power adapter and powered on.
 Snowflakes on image	 Noisy sound	1. Check the receiver channel setting to make sure that the channel is set to the same as the camera's. 2. Make sure that the receiver and camera are within range. 3. Move the receiver to a different but close-by location for better reception.
 Blurry image	 Normal sound	1. Make sure that the receiver and camera are within range and there is no barrier between the receiver and the camera. 2. Move the receiver to a different but close-by location for better reception.
 No color	 Normal sound	TV (monitor) and camera does not match. (NTSC or PAL).
 Normal image	 Noisy sound	Interference with other devices nearby; Remove or turn off such devices.

SPECIFICATIONS

		Items	Value
Camera		Transmission Frequency	ISM 905MH . 924 MHz
		Transmission Distance	300ft (Without Block)
		Operating Temperature	-10°C~+50°C /+14°F~+122°F
		Storage Temperature	-20°C~+60°C /-4°F~+140°F
		Storage Humidity	85%RH
		Imaging Sensor	1/4-inch CMOS
		CMOS Total Pixels	656x406 (NTSC)
		Antenna Type	50 ohm
		Horizontal Resolution	420 TV Lines
		Minimum Illumination	<2(IR OFF)/O(IR ONP) Lux
		Night Vision Range	15m
		Transmission Power	10mW (CE)/2mW (FCC)
		Power Supply	DC 12V 500mA
		Consumption Current	120mA(IR OFF) 250mA(IR ON)
Receiver		Demodulation Type	FM
		Antenna	50 ohm smA
		Receiving Sensitivity	≤ -85dBm
		Video Output Level	1Vp-p@75ohm, S/N>38dB
		Audio Output Level	1Vp-p@600ohm
		Power Supply	DC 8V 300mA
		Consumption Current	250mA

* Specifications are subject to minor change without prior notice.

Restrictions

DO NOT use the product to monitor activities that are part and parcel of people's private lives. We do not intend or make this product for such a purpose. Follow your federal and local laws.

DO NOT place the product too close to any medical equipment due to the following reasons:

1. Radio waves may potentially cause medical electrical equipment malfunction, resulting in accidents.
2. Radio waves may potentially affect the heart pacemaker and result in respiratory disturbances. You should place the product at least 60 feet away from the heart pacemaker

DO NOT use the product to carry out any unlawful activities (such as voyeurism).

Maintenance

1. Make sure there is enough ventilation;
2. Do not shake or strike the product;
3. Keep it dry and dust-free and avoid direct exposure to sunlight;
4. Do not place the product near any magnetic objects;
5. Do not place the product in an area where there is a constant change of temperature or humidity;
6. Keep product away from heat sources such as an electric heater;
7. Do not use the camera near corroding chemicals;
8. Do not use the camera near water, e.g. a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool, etc.;
9. Do not use the camera in a place that is enclosed by metal. Any place that is enclosed by metal, such as an elevator or a cabin, may block the electromagnetic wave, and result in the failure to receive signals;
10. Please follow local government's environment protection policies;
11. Please unplug the power when not in use;
12. Do not disassemble or repair the camera or receiver; doing so may cause damages to the product.

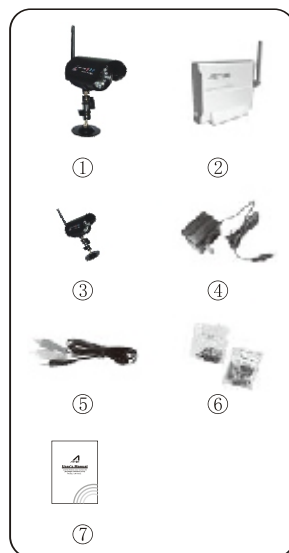
If the product is used with exposed electric line or in a harmful environment, it may seriously affect its durability or lifetime.

PRODUCT

Package Contents

This package comes with the following items. The following items will be found inside the box. Please assure you find them. If anything is missing, call our toll free number 1-866-368-8788 for replacement.

- ① Wireless CMOS camera × 1
- ② Wireless receiver × 1
- ③ Remote control × 1
- ④ Power adapter × 3
- ⑤ AV cable × 1
- ⑥ Mounting hardware × 2
- ⑦ User's manual × 1



Note:

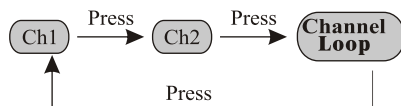
The pictures may be slightly different from the actual items.

Notes:

- Press ① ~ ② to select one channel.
- Double press ③ to automatically scan channels.
- To quit the channel scanning, press any key ① ~ ② or - +.
- To lock the remote control against the accidental touch or interference from other IR remote control, press ④ once after the setting is done, and the icon "L" displays; when it is locked, other keys on the remote control will not work; to unlock it, just press ④ again, and the icon "E" appears.

Receiver Mode Setup

Channel Button on Receiver

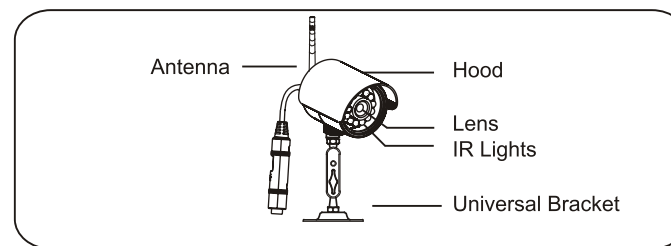


Infrared Remote Controller

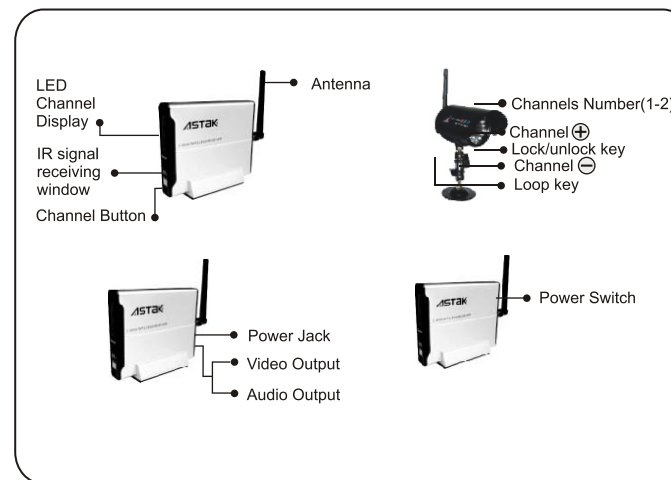
Keys	Functions	Operation & display
1 ~ 2	Individual channel selection	One number displays in response to each press
- +	Channel decrement or increment	
1. 2. 1 ~ 2 3.	Channel scanning for specific channels	1. Press loop key once to enable setting, "1" flashes; 2. Press keys 1~2 to input one or two channels to be looped; 3. Press loop key again to confirm and start scanning.
1. 2.	Channel scanning for all channels	1. Press loop key once to enable setting, "1" flashes; 2. Press loop key again to confirm and start scanning.
	Lock or unlock other keys on the remote control	In normal mode, press once to lock, "d" flashes; press again to unlock, "E" flashes.

Feature Locations

1. Camera



2. Receiver



Adapter

Our adapter conforms to the authenticated AC adapter. It should bear one of the following marks:



UL Mark

American power supply authentication



SAA Mark

Australia power supply authentication



CE Mark

European Union power supply authentication



PSE Mark

Japan power supply authentication



GS Mark

German power supply authentication



CCC Mark

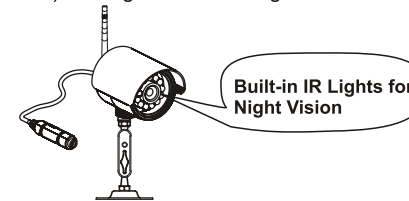
China power supply authentication

Note:

When using the power adapter, make sure the rating voltage on it is compatible with the device to avoid potential damages from incorrect usage of power supply

Night Vision

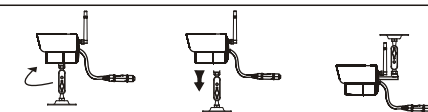
The built-in 27 Infra-red lights in camera provide 45ft range night vision for 24hrs surveillance. The Infra-red lights will be automatically activated at night or in dark places. The image will turn Black & White (monochrome) in a night vision setting.



2. Install to Ceiling

- 2.1 Detach the universal bracket from the camera and then install it to the camera top to prevent upside down pictures;
- 2.2 Drill three holes on the ceiling in line with the holes in the universal bracket; Insert three screw anchors into the holes.
- 2.3 Align the holes on the bracket and the ceiling, and drive three screws through the bracket into the anchors to fasten the camera.
- 2.4 Adjust angle of your camera for surveillance.

2.1

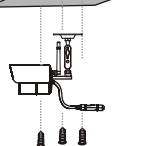


Unscrew the Bracket

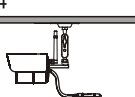
2.2



2.3



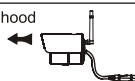
2.4



Note: The hood can be removed from and re-attached to the camera to allow for easy installation:

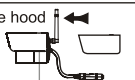
1. Slide the hood away along the groove from camera.
2. Attach the hood to the rear of the camera by putting the hood into the groove and sliding it until the holes on the hood align with the holes on the camera.

Remove the hood



Slide way

Re-attach the hood

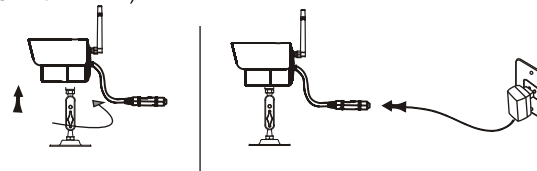


Slide way

INSTALLATION & USAGE

Installation

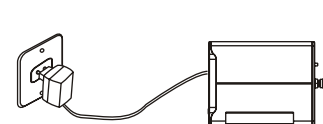
1. Install the universal bracket to camera and connect the power jack (DC 12V 500mA) to camera.



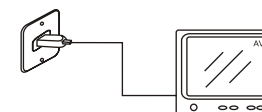
2. Connect the receiver to your TV with AV cable (yellow for video and red for audio).



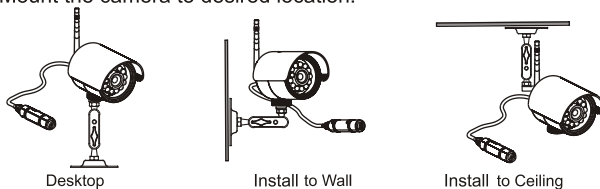
3. Connect the adapter (DC 8V 300mA) to the receiver. Slide the power switch to ON position. The power indicator lights up.



4. Power on the monitor/TV and select AV mode.



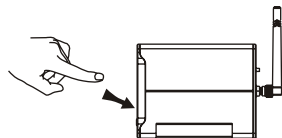
5. Mount the camera to desired location.



Note:

Please refer to **Install the Camera** section on page 9~10 for more details.

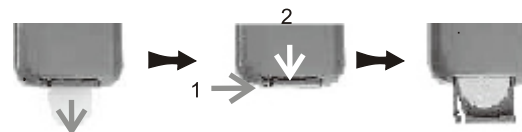
6. Set the channel of receiver same as that of camera by pressing the channel button continuously, until pictures are displayed on the monitor/TV



7. Adjust the brightness, contrast and color of the monitor/TV and the direction of the receiver's antenna for best effect.



8. Remove the battery insulation space from the Remote Control; pull out the battery tray and then load one button cell (CR 2025) properly. You can remote control the receiver with the remote control.

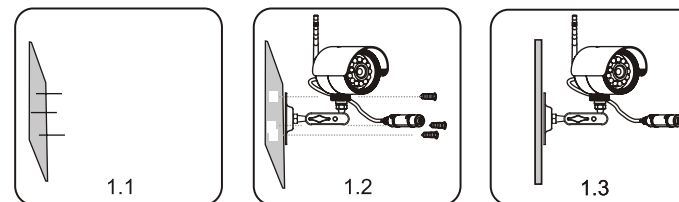


Install the Camera

Please follow the steps below if you want to Install the camera to a wall or ceiling.

1. Install to Wall

- 1.1 Drill three holes on the mounting surface in line with the holes in the universal bracket; Insert three screw anchors into the holes.
- 1.2 Align the holes on the bracket and the mounting surface, and drive drive three screws through the bracket into the anchors.
- 1.3 Adjust the angle of your camera.



Section 15.21 Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Section 15.19 Labelling requirements

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.

Section 15.105 (b)

Note: 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.