

CT404DM

user's manual

Product Name: 2.4GHz Wireless digital receiver

Product Model: CT404DM



1 Introduction

This mini size product adopt with an advanced microwave and wireless transfer technology developed and manufactured by 2.4GHz wireless digital receiving modules, which has a stable performance and strong anti-interference function. This product can be used for wireless cameras to record wireless camera signals.

2 What's included:

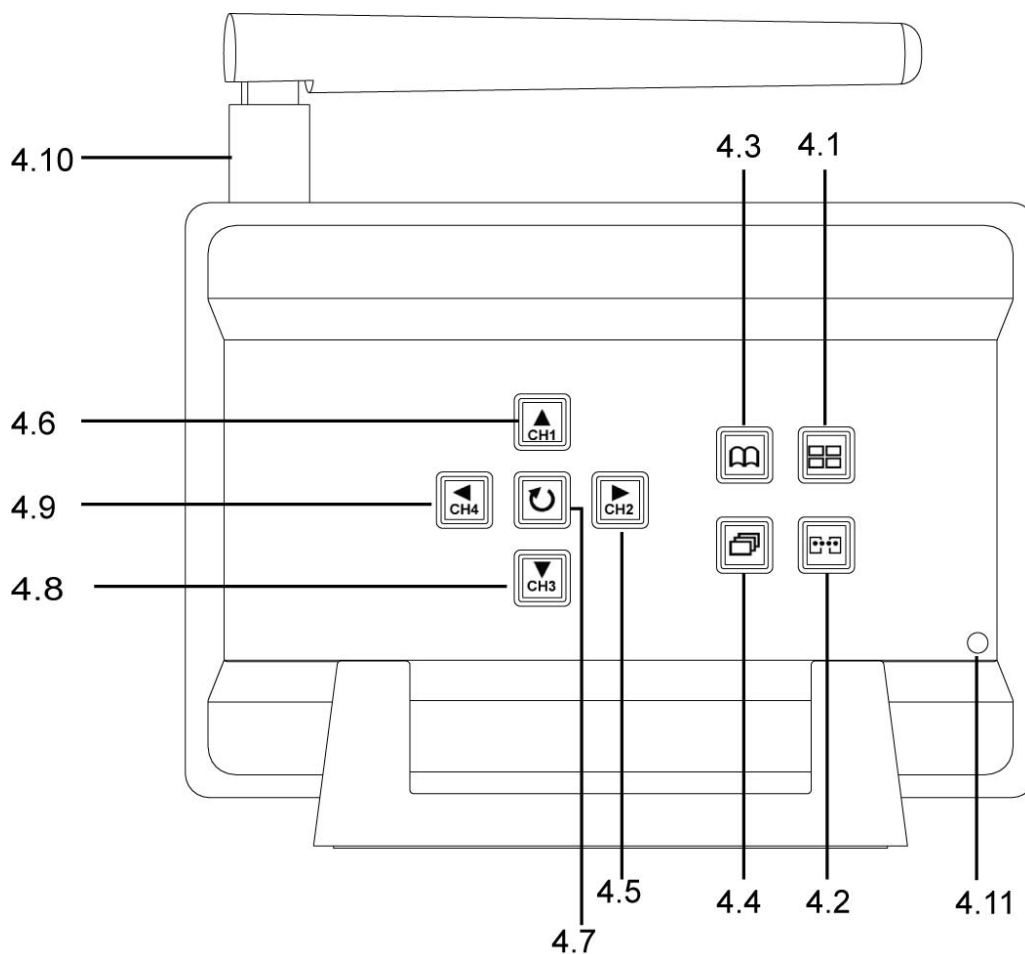
The following devices should be included in the box. Please check that you have them all before installation.

- A One receiver
- B One power adapter for receivers
- C One RCA cable

3 Main features.

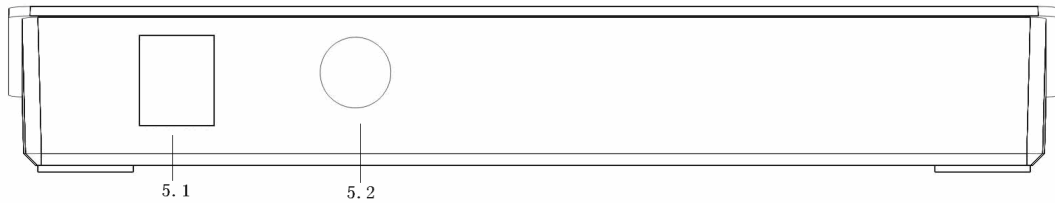
- 3.1** Support up to 4 cameras synchronous. .
- 3.2** Digital 2.4G wireless modules.
- 3.3** Support A/V output
- 3.4** Support AE and AWB
- 3.5** Support OSD screen-controlled operation
- 3.6** Support 4 Channels display in Quad
- 3.7** Support automatically channels switch
- 3.8** Transmission distance up to 100M (open space)
- 3.9** M-JPEG format Compression
- 3.10** Support 2 times digital zoom

4 Buttons



- | | | |
|-------------|-----------------------|---|
| 4.1 | Mode switching | Switch from quad mode to single channel mode |
| 4.2 | Pairing | Pairing the cameras and receiver |
| 4.3 | Menu | OSD menu display |
| 4.4 | Auto Scan | Switching the channels automatically with set time interval |
| 4.5 | Right/CH2 | Move to the Right / Switch to Channel 2 |
| 4.6 | Up/CH1 | Move Up / Switch to Channel 1 |
| 4.7 | Manual Scan | Switching the channel manually |
| 4.8 | Down/Ch3: | Move Down / Switch to Channel 3 |
| 4.9 | Left/CH4 | Move to the Left / Switch to Channel 4 |
| 4.10 | SMA antenna | SMA antenna plug in |
| 4.11 | Power LED | Red Light when power on |

5 Back panel

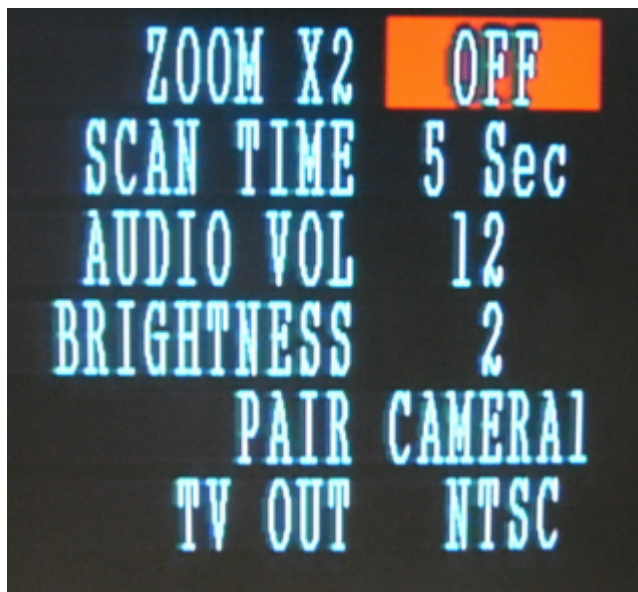


5.1 DC 5V/9V input

5.2 A/V output

6 Menu

Enter the **Menu** option to setup the main feature of this product.



Through **Right/Left** button can adjust parameters, and through **Up/Down** button can select the features to set.

- 6.1 ZOOM in:** Select ON/OFF to enable the zoom in function. This product can support zoom in the images for 2 times.
- 6.2 SCAN TIME:** In this option can setting the intervals for switching channel automatically. 5 seconds ~20 seconds, time for interval for scanning.
- 6.3 AUDIO VOL:** Adjust the volume of the audio range from 0 to 20. Use the Left/right button to reduce/increase the volume.
- 6.4 BRIGHTNESS:** Adjust the brightness of images output, range of brightness is 0~5, use the Left/right button to adjust it.

- 6.5 PAIR:** In this option you can pair the cameras with the specific channels, press the **Pair** button, through the Right/Left button can choose the channel; one channel can only pair with one camera. After selecting the specific channel and press the pair button there will appears the matching information as follows:



Press the Pair the button on corresponding camera and wait for a while, the monitor which connected to the receiver will appear the images from the cameras that have matched. Pairing succeeded.

- 6.6 TV OUT:** In this option allow you to select the 2 different format (NTSC/PAL) for video output resources.

6.7 Channels selection hot keys

You may select channel by using corresponding hot key as below to manually choosing channels.

Channel 1: Up

Channel 2: Right

Channel 3: Down

Channel 4: Left;

Circulation Button: Monitor screen circularly output the image form Channel 1~ Channel4~Channel1. The receiver will skip the channels that cameras are not available.

7 Troubleshooting

Symptom	Remedy
The power does not turn on.	<ul style="list-style-type: none"> ● Check that the AC power cord is connected securely. ● (In case of power failure) Check the breaker.
No image display on monitor	<ul style="list-style-type: none"> ● Check if Monitor it is on and work under NTSC / PAL model ● Check monitors video cable and connections. ● Check camera video cable and connections.

	<ul style="list-style-type: none"> ● Confirm that the camera has power offered. ●
There is no sound.	<ul style="list-style-type: none"> ● Check if the audio output is well connected with monitor.
Interruption in Image and Sound	<ul style="list-style-type: none"> ● If there is a microwave oven close by, turn the microwave oven off. ● You may have other units that run on the 2.4GHz signal. Move their base away from both the transmitter and/or the receiver ● Your home may have a metal frame that reduces the range of the unit. Contact your SVAT customer service for more information
Poor Reception Quality	<ul style="list-style-type: none"> ● Move the Cameras and/or the receiver around to see if reception improves. ● Make sure all the A/V cables are plugged firmly and tightly..

8 Technical specifications

Power input	DC+5V
Video output	RCA x 1
Audio output	RCA x 1
Video format	NTSC/PAL
Type of antenna	SMA antenna
Auto-channel switch	yes
Auto-switch time	5~20seconds
Camera	Support up to 4 cameras at the same time
Brightness adjustment	0~5

Digital zoom	2 times
Four split-screen	yes
Transmission distance	100M (test in the open air)
OSD menu	yes

9 Notes

- 9.1 This product can not be folded, pressed or impacted.
- 9.2 The repairing of this product can only be done by the Professionals.
- 9.3 The parts of this product can not be open by non-professionals.
- 9.4 This product can not be used in high temperature environments.
- 9.5 Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
- 9.6 Precision Electronics Co., Ltd. does not have the responsibility if customer attempt for any illegal use of this product.
- 9.7 The book is finally be interpreted by Precision Electronics Co., Ltd.

10 Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna to the intentional radiator shall be considered sufficient to comply with the provisions of this section. This product has a permanent antenna, fulfill the requirement of this section

FCC NOTE:

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.

FCC NOTE:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.