

## **2.4GHz Digital Transmission system**

### **Manual**

**V1.1**

#### **Important Notice**

Digital Wireless camera use 12V power adaptor,  
don't use it in the Transmitter and Receiver



**Receiver:**

Operating Frequency Band 2.403GHz~2.478GHz  
 Receiver Sensitivity -85dBm min.  
 Video Output Level  $1\pm0.2V$  p-p @ 75 ohm  
 Audio Output Level  $1\pm0.2V$  p-p @ 600 ohm (STEREO)  
 Antenna Omni-directional  
 Power consumption 1.9W  
 Power supply 5V/1A  
 Dimension 76mm\*73mm\*24mm  
 Weight 82g

**Digital wireless cameras:**

Operating Frequency Band 2.403GHz~2.478GHz  
 Maximum Transmit Power 100mW  
 Modulation 16QAM/QPSK/BPSK  
 Antenna Omni-directional  
 Power consumption 1.9W  
 Power supply 12V/1A  
 Dimension 130mm\*70mm\*58mm  
 Weight 620g

**System:**

Transmission channels 26 channels auto selection  
 Video bit rate up to 12Mbps  
 Random ID code up to 4 million sets  
 Video resolution 720 x 480 @ 30 fps (NTSC) or 768 x 576 @ 25 fps (PAL)  
 Operational range up to 150 meters (line of sight and open site)

- All specification subject to change without notice

Notice: The change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IMPORTANT NOTE:** To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirement and void user's authority to operate the device.

**A.What is inside the Box?**

Please check the following items inside the box for 2.4Ghz Digital transmission system, and contact your dealer if anything is missing:

1. **Products body** what you get may be transmitter, or receiver, or digital wireless camera, depends upon what you buy, as below:



Receiver x 1



Transmitter x 1

or



2. **Accessory: for Receiver or Transmitter**

Refer to the following photo, from left to right:  
 Power Adaptor x 1 (100V ~ 240V AC, DC 5V/1A in Jack)  
 AV cable x 1 (3RCA plug to 1 phone plug)  
 Antenna x 1



### 3. Accessory for digital wireless camera

Refer to the following photo, from left to right:

Antenna x 1

Power Adaptor x 1 (100V ~ 240V AC, DC 12V/1A in Jack)

Bracket with screws x 3



### 4. This manual

## G.Troubleshooting

Problems	Possible Solution
No picture or sound	Check all cable connections
	Make sure power plugs are pushed all the way in
	Check power switches on the remote TV or DVR and
	Video source(Camera, Camcorder, etc.)
	Check if the POWER LED of the transmitter/digital
	wireless camera and receiver is lighting or not?
	Their LINK LED should be lit.
Interference: picture or audio	If Their LINK LED should not be lit, you must re-pair their codes following the D. instruction of the manual
	Adjust receiver and transmitter/digital wireless camera antenna orientation
	Try to place transmitter/digital wireless camera and
	receiver in a more close-in location
	If using a microwave oven, turn it off.
	Remove microwave oven or wireless router from the path between transmitter/digital wireless camera and receiver

## H.Specifications

### Transmitter:

Operating Frequency Band 2.403GHz~2.478GHz

Maximum Transmit Power 100mW

Modulation 16QAM/QPSK/BPSK

Video Input Level 1V p-p @ 75 ohm

Audio Input Level 1V p-p @ 600 ohm (STEREO)

Antenna Omni-directional

Power consumption 1.9W

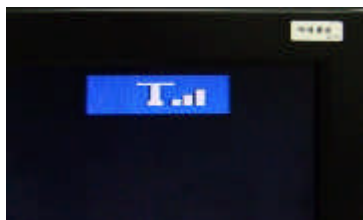
Power supply 5V/1A

Dimension 76mm\*73mm\*24mm

Weight 82g

Please note:

Pressing the pairing buttons for transmitter/digital wireless camera and receiver is not necessary at the same time, and they are not necessarily put near or side by side in pairing status, around within 3 meters far is OK. Under the transmission, you can see the strength on the monitor as below:



## F.Use Notices

- 1.Be sure the transmitter/digital wireless camera and the receiver were connected to the equipment correctly (e.g. Connect the transmitter to the camera, and the receiver to the TV or DVR).
- 2.When DC plug is pulled out from transmitter/digital wireless camera or receiver, it needs to wait for a few seconds to insert it again.
- 3.Adjust antenna to decrease interference. (vertical or horizontal)
- 4.In most situations, one pair has a better distance up to 150 meter (open site and line of sight). When two pairs or more are used at the same time, it can automatically jump to different channels. But the distance between pairs, preferably greater than 2 meter far.
- 5.If there are some reasons cause the device stop, you can try to turn power switch off then on again and make the device re-link.
- 6.It is suggested to have 10 pairs mostly operated in same location, but the pairing can not be at the same time.

## B.Introduction

Thank you for purchasing this 2.4GHz Digital transmission system. This system is a digital wireless audio/video sender(transmitter/receiver), or receiver/digital wireless camera that uses 2.4GHz Frequency Hopping technology and 16QAM/QPSK/BPSK modulation, and random ID codes to protect personal privacy.

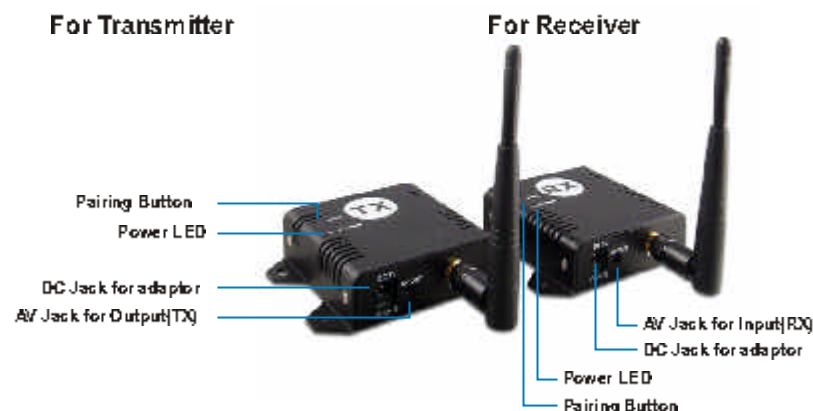
There are over billion hopping sequences to minimize interference and deliver consistently an excellent video and audio quality up to 150 meters away (open site and line of sight)

Using this 2.4GHz Digital Wireless system, you can enjoy greater convenience and security in many ways:

### **Safety & Security Application:**

- Connect a camera or use digital wireless camera as a wireless security system
- Monitor your sleeping baby, playing children, the elderly, or the disabled on TV using your existing camcorder by transmitter/receiver
- See who is outside the door on TV through your camera or miniature CCD camera.
- Monitors and records the meeting from another room.
- And many more uses!

## C.Product Layout



## For digital wireless camera

Front view



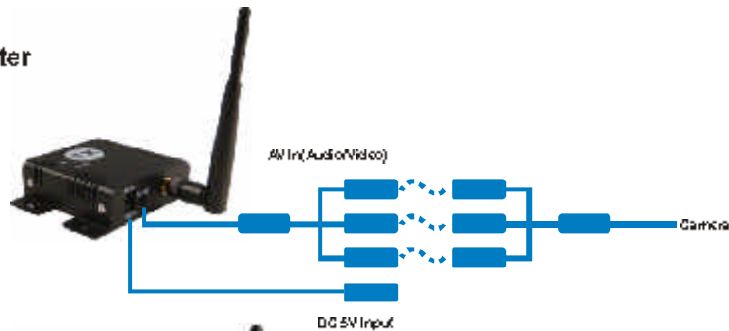
Back view



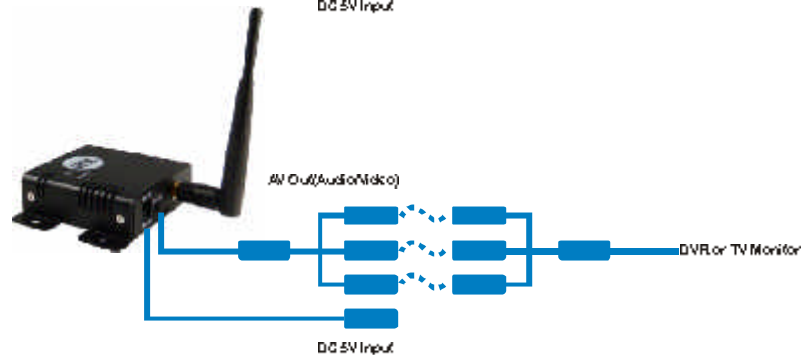
Pairing button inside

## D.Transmitter and Receiver Wire Connection

Transmitter



Receiver



## E.Pairing the transmitter and receiver

When you get the transmitter/digital wireless cameras or receiver, you must pair them before use it, following the instructions as below:

- 1.Power on the transmitter/digital wireless camera and receiver by inserting the power adaptor jack.
- 2.Press the pair button of transmitter/digital wireless camera or receiver and not release until the power LED begin to flash, then release the pair button.
- 3.They will enter into the pairing state and automatically link to each other by ID code after step 2 finished.
- 4.Please don't turn off their powerswitch during the pairing status.
- 5.When pairing successfully, the power LED for both will be lit directly (not flash)



Pairing Button

