2.4GHz WIRELESS CAMERA SYSTEM

OWNER'S MANUAL

(PLEASE READ BEFORE USE)

TX

RX

FC CE 0336 ⓘ

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1. Important-Safety Precautions

This device of which 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.

- To prevent fire or shock hazard, do not expose this device to rain or moisture.
  Do not use near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
- To avoid electrical shock, do not open this device.
- This device should be operated to use only the power supply included with it or provided as an accessory.
- Do not overload wall outlets and extension cords as this can result in the risk of fire or electrical shock.
- Do not attempt to service this device yourself. Refer servicing to qualified personnel only.

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, or BZT and CE EMC directive. 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, if not installed and used in accordance with the instruction, it 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:

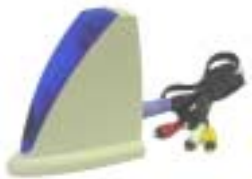
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

2. THE 2.4GHz WIRELESS CAMERA SYSTEM

2-1 Packaging and accessories

1



2

3

4

5

6

1. One camera
2. One receiver
3. One set camera Mounting Bracket
4. One 2.4GHz Antenna
5. Two power Adapters (9VDC/300mA)
6. One owner’s manual in English

2-2 Control Elements, Transmitter

Front View of Camera

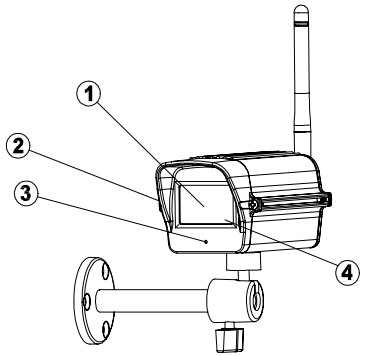


Fig1

Rear View of Camera

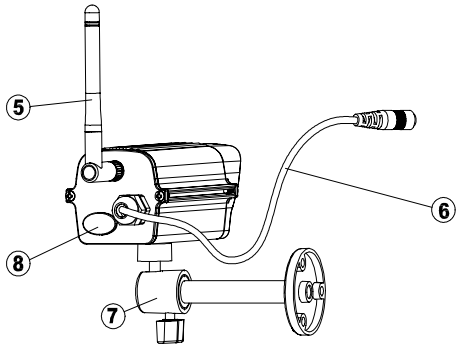


Fig2

1. 1/3 " CMOS color image sensor
2. Rainproof solid aluminum housing
3. Microphone
4. Power/Channel indicator LED (light-emitting diode)
   Power on or change the channel, LED blinks according to the channel number you want
5. 2.4GHz Antenna
6. 9VDC power connector
7. Camera Mounting Bracket
8. Channel selection SW(switch） (See Fig3)
   - Select the channel by sliding the slide switch to the channel number you want
   - Note: Open the rubber cover to slide channel selection SW, then replace and tighten the cover

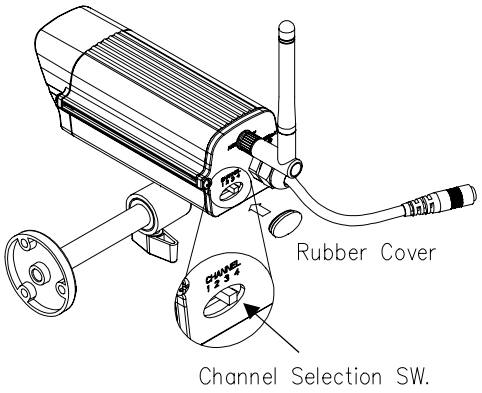


Fig3

2-3. Control Element, Receiver

Front View of Receiver Rear View of Receiver

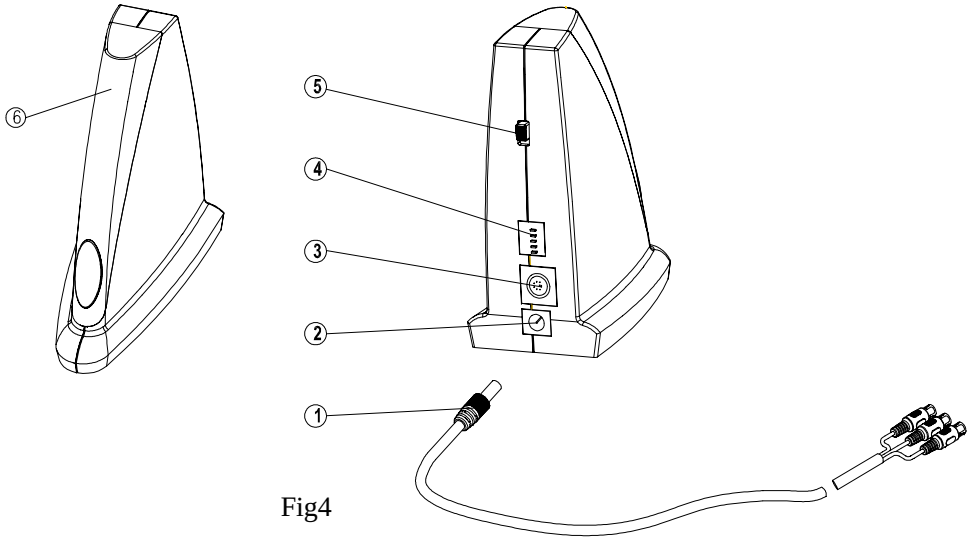


Fig4

1. AV output cable with RCA or SCART.
2. 9VDC power adapter jack
3. AV output MINDIN jack

4. Channel selection DIP SW (as shown in Fig5)
   Select the channel by setting the channel DIP SW to the ON position.

Fig5. CHANNEL SELECT DIP SW

DIP SW Function:

DIP SWS1-4: set one channel or multi–channel sequence function.

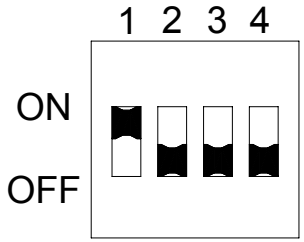
By setting multi–channel DIP SW to the ON position, channel changes every four seconds

5. Power ON/OFF switch
6. Channel indicator BLUE LED
   - BLUE LED blinks according to the channel number you want

   Note: channel is shown with the blinking times of BLUE LED at intervals of 4 seconds by setting the position of DIP SW (Double In-line Package switch).

Examples:

A. Factory Preset Mode:



B. Fix's one channel Mode:

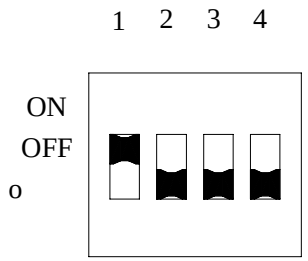


Fig 1

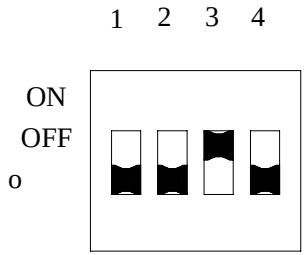


Fig 2

Fig 1: Channel 1 is selected.

BLUE LED located on front of the Receiver will blink once at intervals of 4 seconds.

Fig 2: Channel 3 is selected.

BLUE LED will blink 3 times at intervals of 4 seconds.

C. Automatic channel sequence mode:

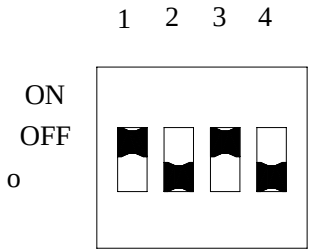


Fig 3

Fig 3: Channel 1 and channel 3 are selected in sequence.

BLUE LED will blink once and 3 times in cyclical sequence at intervals 4 seconds.

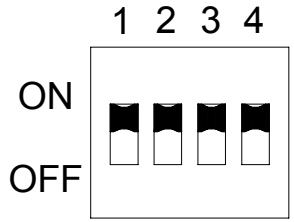


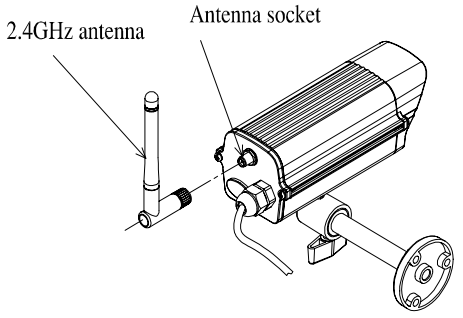
Fig 4

Fig 4: Channel 1, channel 2, channel 3 and channel 4 are selected in sequence.

BLUE LED will blink once and 2 times and 3 times and 4 times in cyclical sequence at intervals 4 seconds.

3. Installation of the system

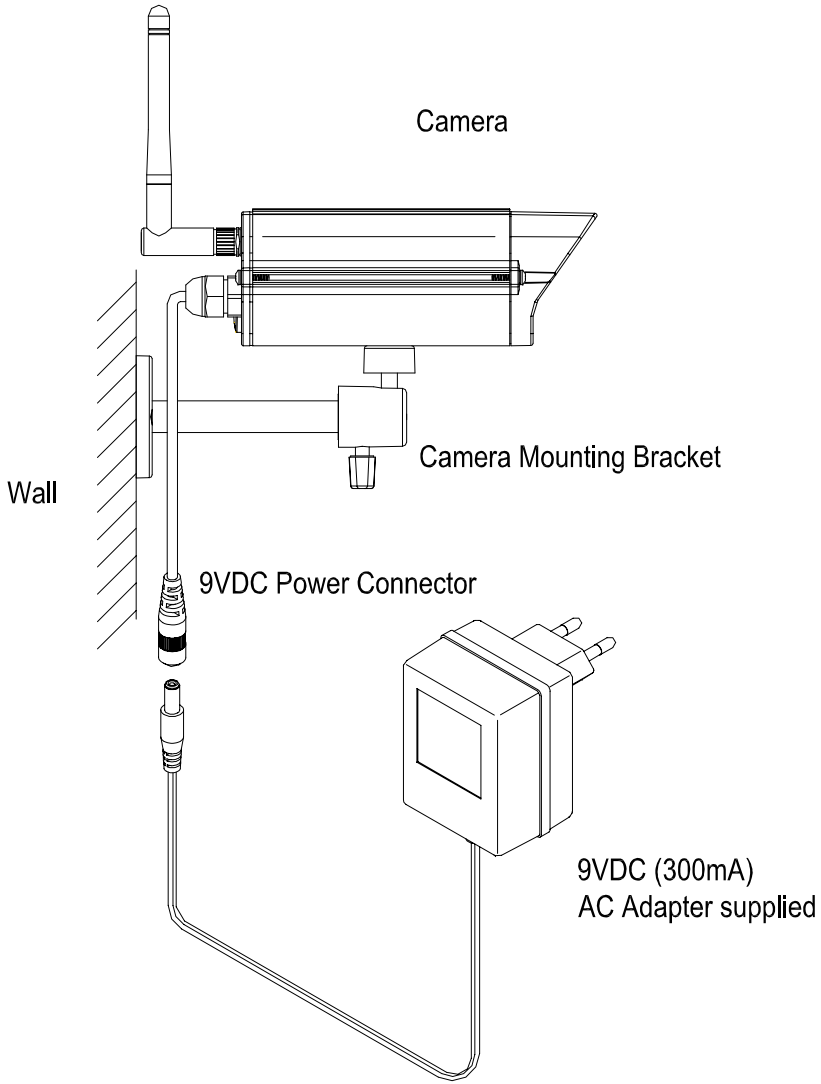
2.4GHz Antenna



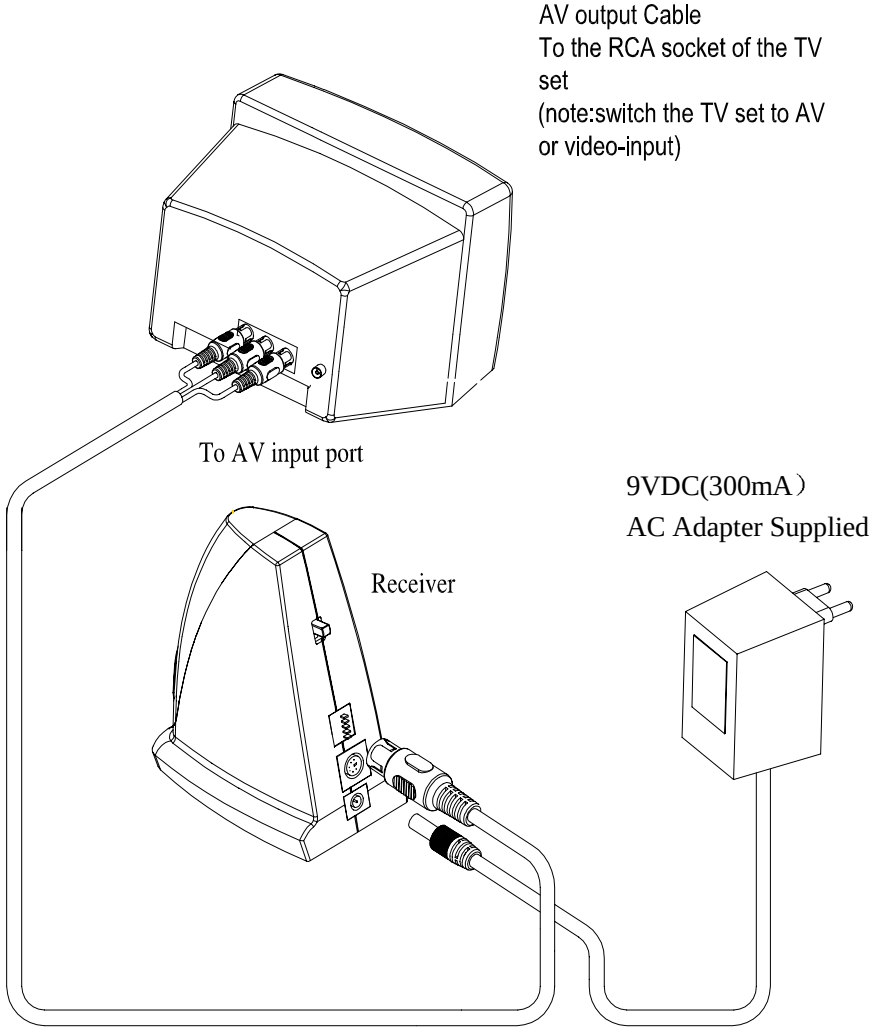
Transmitter

Note: Attach 2.4GHz antenna to the antenna socket at the real of the camera then keep a tight fix on the socket of the device.

Transmitter



Receiver:



4. Trouble –shooting

1. No image or sound
   a. Make sure the power supply switches on the back of the receiver are in the “ON” position.
   b. Check correct position of all the connectors and plugs.
   c. Make sure the transmitter and the receiver are on the same channel .
2. Interruptions in image and sound
   a. Make sure antenna of the transmitter and the receiver are in correct alignment.
   b. Adjust the transmitter and the receiver to closer position.
   c. If a microwave oven or electro-magnetic oven is in use, turn it off and try the product again.
   d. Use other channels for the transmitter and the receiver.

5. Technical specifications

Camera transmitter

1. 1/3 " CMOS color image sensor
2. Transmit Frequency: 2.400 ~ 2.483GHz (4 channels)
3. Output power (max): 0dBm（FCC）、10dBm (CE)
4. Operational range: up to 100 meters (open air situation)
5. Modulation: FM
6. Channel design: PLL frequency synthesizes
7. Antenna: omni-directional antenna
8. Power consumption (max): 1.5 Watts
9. Power supply (optional): 230VAC to 9VDC, 300mA
   or 120VAC to 9VDC, 300mA
10. Dimension: 155mm*60mm*52mm
11. Weight: 340g

Receiver

1. Receiver Frequency: 2.4 ~ 2.483GHz (4 channels)
2. Receiver sensitivity: -80dBm
3. Noise Figure: 3.5dB
4. Channel design: PLL frequency synthesizes
5. AV output port:: one RCA or SCART with cable
6. Antenna: hide omni-directional antenna
7. Power supply(optional): 230VAC to 9VDC, 300mA
   or 120VAC to 9VDC, 300mA
8. Power consumption (max): 2.2 Watts
9. Dimension: 105mm*50mm*115mm
10. Weight: 140g