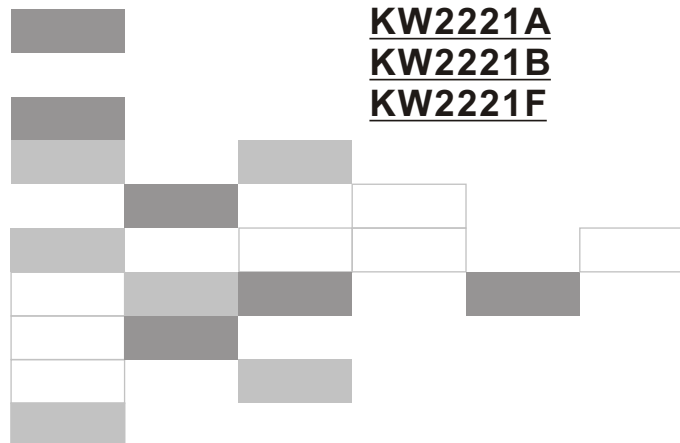


2.4GHz WIRELESS CAMERA SYSTEM

USER MANUAL (PLEASE READ BEFORE USE)



KW2221A
KW2221B
KW2221F



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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 " CCD color image sensor
2. Transmit Frequency: TYPE A 2.400~2.485GHz(4 Channels)
TYPE B 2.370~2.510GHz(4 Channels)
TYPE F 2.400~2.483GHz(4 Channels)
3. Output power (max): KW2221A-10dBm,KW2221B-10dBm,KW2221F-0dBm
4. Operational range: up to 100 meters (open site)
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 12VDC, 500mA or 120VAC to 12VDC, 500mA

Receiver

KW7302

1. Receiver Frequency: 2.370-2.510GHz (8 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:99mm*56mm*99mm
- 10.Weight:127g

1. AV output cable with RCA or SCART.
2. 9VDC power adapter jack
3. Power LED
4. Channel selection DIP SW (as shown in Fig5)
Select the channel by setting the channel DIP SW to the ON position.

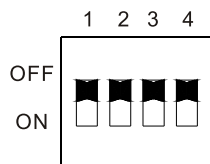


Fig5. CHANNEL SELECT DIP SW

2.Channel Selection

Channel selection, must on same channel as receiver.

**(Please note not same DIP position as receiver,
must be same channel)**

KW2221A

	DIP 1	DIP 2	DIP 3	DIP 4
CH 1	ON	OFF	OFF	ON
CH 2	OFF	ON	OFF	ON
CH 3	OFF	OFF	ON	ON
CH 4	OFF	OFF	OFF	ON

KW2221B

Switch all DIP to off before doing follow selection

CH 5	OFF	OFF	OFF	OFF
CH 6	OFF	OFF	ON	OFF
CH 7	ON	OFF	OFF	OFF
CH 8	OFF	ON	OFF	OFF

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.

Caution:

Changes or modifications not expressly approved by the Party responsible for compliance could void the users authority to operate the equipment.

Notice :

The changes 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 requirements and void user's authority to operate the device.

2. THE 2.4GHz WIRELESS CAMERA SYSTEM

2-1 Package and accessories



1. One camera
2. One set camera Mounting Bracket
3. One Antenna
4. One owner's manual in English
5. Adapter

2-2 Control Elements, Transmitter

Front View Camera

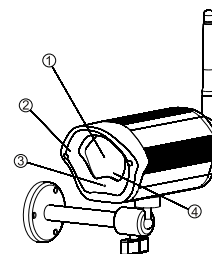


Fig 1

Rear View Camera

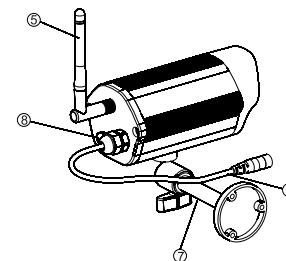


Fig 2

1. 1/3 " CCD color image sensor
2. Rainproof solid aluminum housing
3. 9 IR LEDS
4. 2.4GHz Antenna (2dBi)
5. 12VDC power connector
6. Camera Mounting Bracket
7. 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

