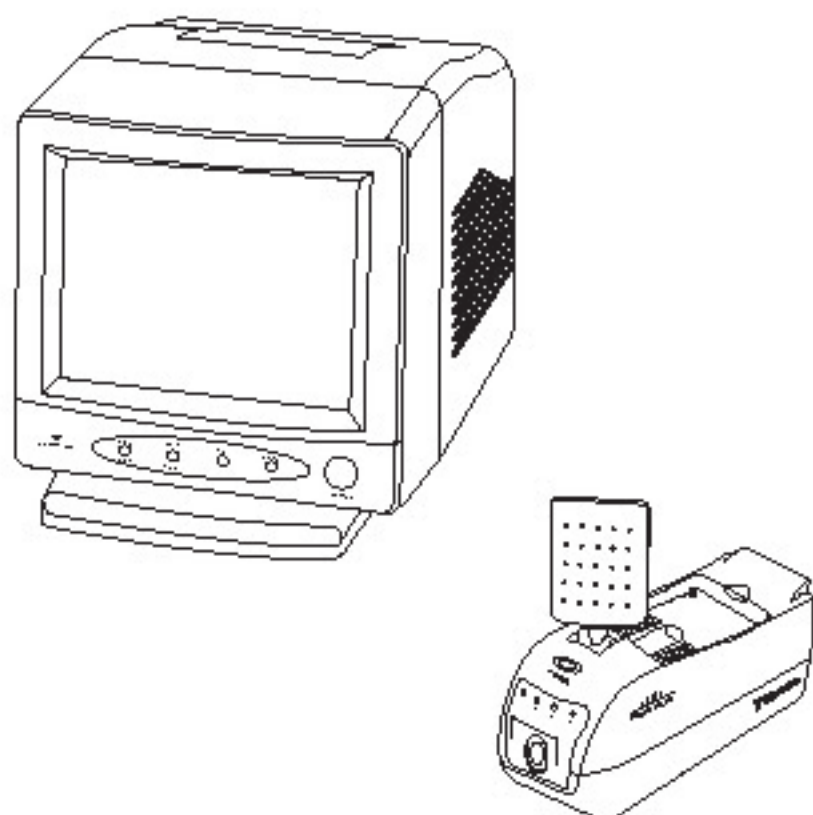


USER'S INSTRUCTION

2.4 GHz WIRELESS CAMERA SYSTEM

7" MONITOR WITH 4 CHANNEL SEQUENCING
RECEIVER (WITH INSIDE ANTENNA)
AND 2.4 GHz WIRELESS PORTABLE B/W CAMERA
MODEL:WW7700 (Including WW2200)



IMPORTANT SAFETY PRECAUTIONS

- To prevent fire or shock hazard, do not expose this product to rain or moisture. Do not use near a bathtub, washbowl, sink or laundry tub; Do not use in a wet basement or around a swimming pool.
- To avoid electrical shock, do not open the case of this product.
- Operate this product using only the power supply included with it.
- Do not overload electrical outlets or extension cord as this can result in fire or electric shock.

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

NOTE

This equipment has been tested and found to comply with the limits for 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.

INTRODUCING 2.4GHZ WIRELESS SYSTEM

WW7700 uses the latest in wireless communication technology to deliver consistently sharp audio. B/W and color video images up to 350 feet away. By transmitting at a very high frequency (2.4GHz), the FCC-approved WW7700 avoids the crowded 900 MHz band used by many cordless telephones and other wireless audio/video transmitters. Its superior quality is due to FM rather than AM signal modulation. The use of state-of-the-art circular polarized high-gain directional transmitting and receiving antennas maximizes the signal range and minimizes interference from unwanted signals.

HOW TO USE WW7700 FOR OPTIMAL PERFORMANCE

1. WW7700 should be placed on a flat stable surface to prevent damage to it from falling.
2. For maximum operating range, try to minimize the number of obstacles (TV, other electronics, large steel structures) between the transmitter and the receiver units.
3. It broadcasts high-quality audio and video, using directional antennas which must be oriented in certain configurations for best results. The antennas have been designed to pivot and rotate in almost any direction. In most situations, the face of the antennas on both the transmitter and receiver should be facing one another and perpendicular (at a right angle) to an imaginary line drawn between the two units. Three examples are shown on the next page, labeled Figures 1, 2 and 3. If the transmitter and receiver are less than 10 feet apart, keep the antennas flat in their casings.
4. Avoid pointing the camera directly into light or extreme sunlight. This will interfere with your ability to obtain a proper image.
5. To receive optimum image performance, always make sure lenses are kept clean.
6. This camera is not waterproof. Do not use in wet or high humidity environments, as this can cause camera damage or electrical shock.

Figure 1

AUDIOVIDEO
ANTENNA



TRANSMITTER
(Front View)

FLAT SIDE

FLAT SIDE



RECEIVER
(Front View)

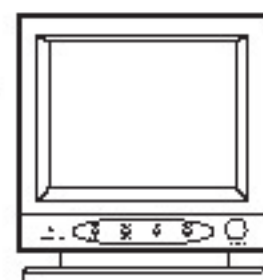
Figure 2



TRANSMITTER
(Front View)

FLAT SIDE

FLAT SIDE



RECEIVER
(Front View)

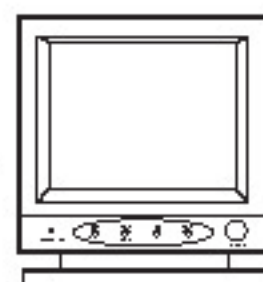
Figure 3



TRANSMITTER
(Front View)

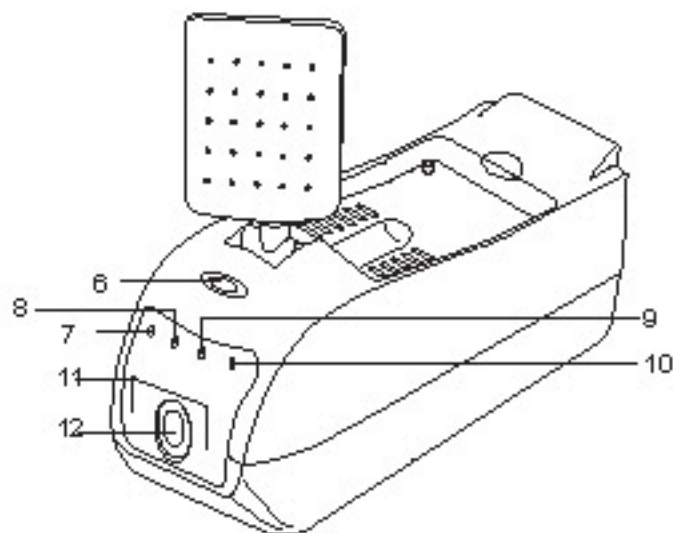
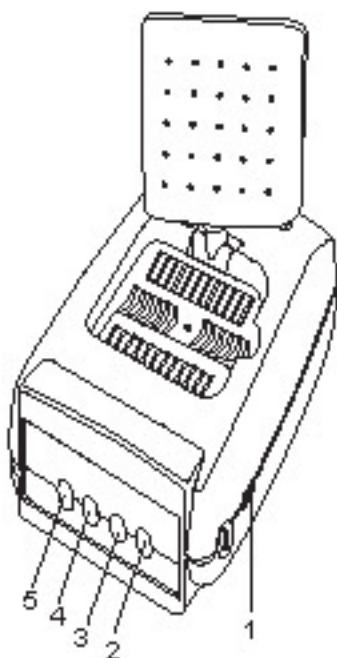
FLAT SIDE

FLAT SIDE



RECEIVER
(Front View)

WIRELESS CAMERA --- WV2200



1. POWER ON/OFF SWITCH

Switch for the power on/off.

2. DC POWER INPUT JACK

3. VIDEO OUT JACK

Output video signal to some other wired monitor

4. AUDIO OUT (right sound channel)

Output audio to some other wired monitor.

5. AUDIO OUT (left sound channel)

Output audio to some other wired monitor

6. CHANNEL SELECTOR

Use to find optimal reception.
Must select same channel
on both transmitter and receiver.

7. CAMERA CHANNEL INDICATOR LIGHTS

Indicates that the working TV channel
is channel 1.

8. CAMERA CHANNEL INDICATOR LIGHTS

Indicates that the working TV channel
is channel 2.

9. CAMERACHANNEL INDICATOR LIGHTS

Indicates that the working TV channel
is channel 3.

10. CAMERA CHANNEL INDICATOR LIGHTS

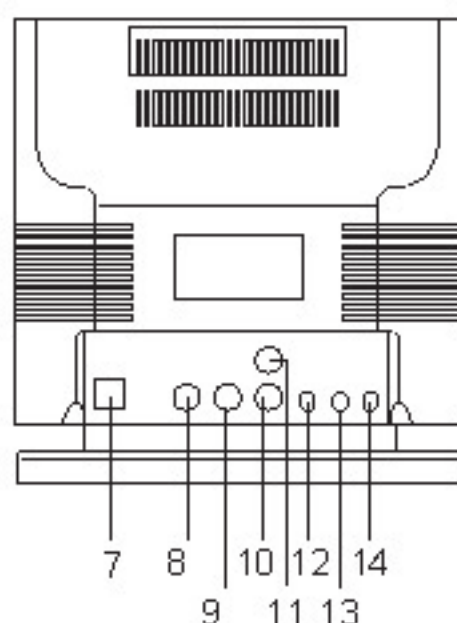
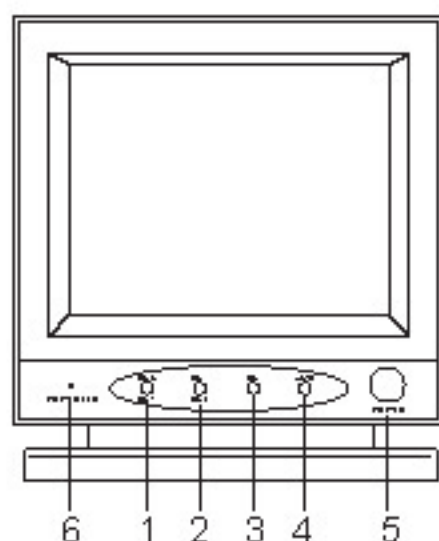
Indicates that the working TV channel
is channel 4.

11. MICROPHONE

High sensitivity condenser.
microphone with stereo sound
(one-way audio).

12. LENS

This lens allows viewing of a wide
area.



1. CH1 AND CH3 INDICATOR

When this indicator light is on in GREEN it means that the monitor is receiving signal from camera 1.

When this indicator light is on in RED, it means that the monitor is receiving signal from camera 3.

2. WHEN CH2 INDICATOR

When this indicator light is on in GREEN, it means that the monitor is receiving signal from camera 2.

When this indicator light is on in RED, it means that the monitor is receiving signal from camera 4.

3. AUTO

When the unit is in 2.4GHz function, press this key to make the monitor to receive signal sequentially from camera 1 to camera 4 automatically.

4. CH - CAMERA SELECTOR

When the unit is in 2.4GHz monitor function, press this button to select the desired camera.

5. POWER SWITCH

Switch for power ON/OFF.

6. POWER LED

When the monitor is powered on, this light is on.

7. DC IN JACK

Plug the 12 volt adapter (supplied).

8. VIDEO IN

Video in jack when the monitor is used as wired monitor with wired camera.

9. AUDIO IN

Audio in jack when the monitor is used as wired monitor with wired camera.

10. AUDIO OUT RCA JACK

RCA video out jack for wired mode operation

11. VIDEO OUT RCA JACK

Audio out jack for wire mode operation

12. V-HOLD

Fix frame for the stable image.

13. BRIGHTNESS

Adjust it to get the suitable brightness.

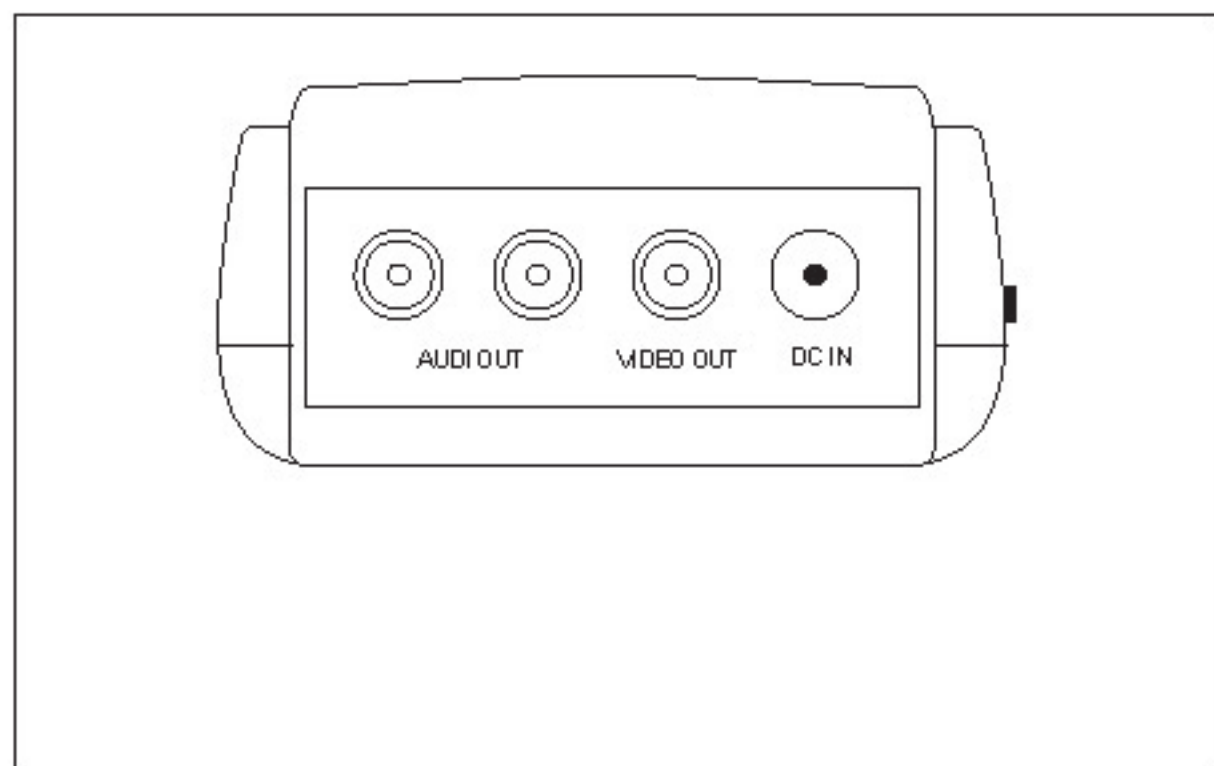
14. CONTRAST

Adjust it to get the best gradation.

This Model WW7700 Wireless Camera System can also be set up to use another three camera (not Included) with the same monitor.

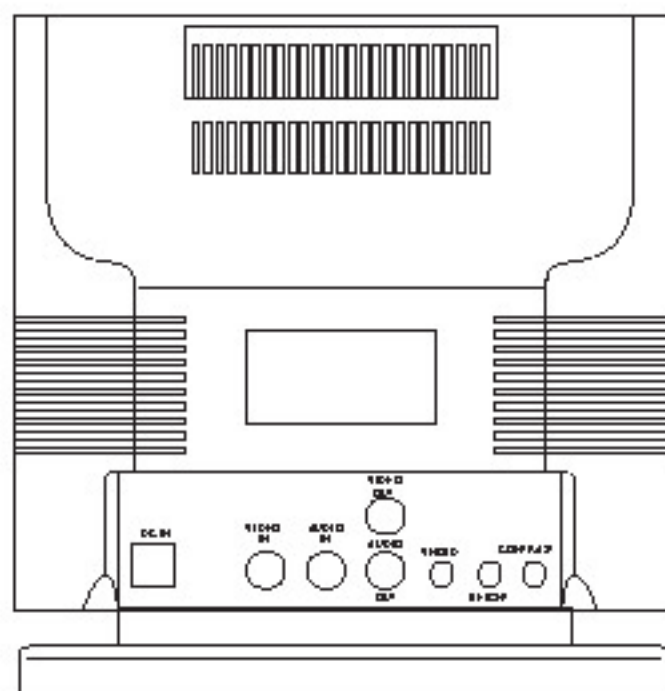
INSTALLATION & RECEIVING

WIRELESS CAMERA --- WW2200



1. Place the camera in where you want to observe something around.
2. Make the camera lens aim to something that you want to observe.
3. Connect the supplied 300mA adaptor to the DC IN jack on the rear of the camera and plug it into AC power outlet. The red LED (power indicator light) on the front of the camera will indicate that the unit is turned on.
4. Connect Audio out and video to the wired monitor if you when use this camera with the wired monitor.

WIRELESS MONITOR --- VWV7700



1. Place the wireless receiver unit on where you want to watch the observed image.
2. Set the right angle of the flat potted face of the antenna to ward the transmitter's antenna.
- 3 .Connect supplied 1200mA AC adaptor to the DC IN jack at the rear of the receiver and plug it into AC outlet.
4. Turn on the power switch. The red LED (power indicator light) on the front of the receiver receiver will indicate the unit is turned on.

HOW TO SET UP AUTOMATIC/MANUAL SWITCHING MODE

Your VVV7700 is a flexible 4-channel receiver with many options built-in. It may be operated in the manual mode with the channels being changed by pressing the CH button on the front of the receiver case.

AUTOMATIC MODE OPERATION:

When turn on the receiver, it is on SCANNING status. Press AUTO button on the front of monitor. then the unit start scanning according to the sequence channel (CH1 to Ch4) . The scanning work is circulatory .

MANUAL MODE OPERATION:

Press CH button for the first time, the picture is just stayed on channel 1, press this button for the second time, the stayed picture will shift to channel 2, press this button for the third time, the stayed picture will shift to channel 3, press this button for the fourth time, the stayed picture will shift to channel 4.

OBSERVATION RECEIVING OPERATION
--

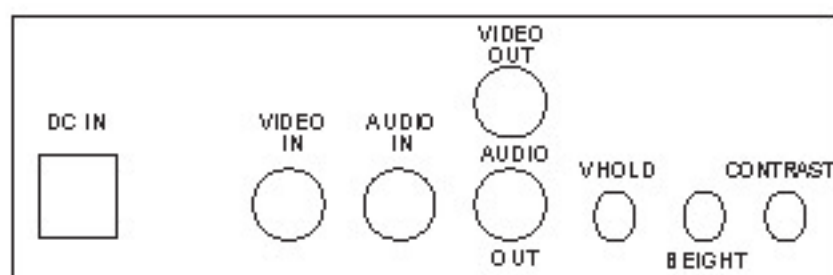
Mack sure the monitor is turned on before using VVV7700

When the receiver is powered on. The unit starts auto scanning. Mack sure at lease have one channel isturn on. Others operation please refer to HOW TO SET UP AUTOMATIC/ MANUAL SWITCHING MODE.

OBSERVATION RECEIVING OPERATION WITH TV

1. If your TV has A/V jacks, connect one set of A/V cables (not included) to the TV's A/V jacks and to the A/V jacks on the receiver. Be sure the plugs and jack is yellow match yellow, white match white on both the TV and the receiver.
2. Plug one end of the WW7700 power adaptor into back of the receiver and the other end into AC outlet. Use only the adaptor provided. Make sure the POWER button on the left side of the unit is turned on beforehand.
3. Locate and orient the WW7700 receiver according to the section of this manual titled "HOW TO USE WW7700 FOR OPTIMAL PERFORMANCE."

RECEIVER REAR PANEL

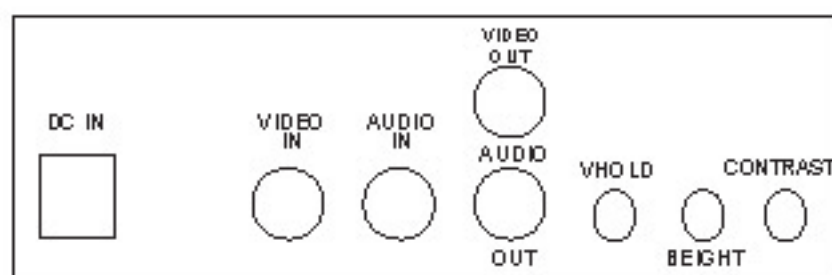


- Each VCR manufacturer uses different method to record.
- Refer to VCRS for specific instructions.

OBSERVATION RECEIVING OPERATION WITH TV & VCR

This setup enables you to record transmitted audio and video on your remote VCR and also enjoy the picture and sound on a remote TV.

1. Connect one set of audio/video (A/V) cables (not included) to the A/V jacks of the receiver and to the jacks on your VCR labeled LINE IN. be sure the yellow and white plugs match the yellow and white jacks on both the WW7700 receiver and the VCR.
2. Use a coaxial cable (not included) to connect the A/V jack on your VCR labeled OUT and TV's EXT. antenna jack.
3. Plug one end of the WW7700 power adaptor into the back of the receiver and the other end into any wall outlet. Use only the adaptor provided. Make sure the POWER is OFF beforehand.
4. Locate and orient the WW7700 receiver according to the section of this manual titled "HOW TO USE WW7700 FOR OPTIMAL PERFORMANCE."



TROUBLE SHOOTING

If the system does not function properly, check the following points for consulting.

Problems	Cause and remedies	
	Receiver	Camera
No power (no picture/sound)	AC adaptor was not plugged into the outlet properly.	AC adaptor was not plugged into the outlet properly.
Poor reception	Improper antenna direction; improper channel setting	Improper antenna direction
Picture flicking	-----	Strong spotlight in the field of view
Dim picture, picture too bright or too dark	Improper brightness control setting on your Monitor	Lighting source in the field of view
Picture rolls and jumps scrambled picture	Improper V-hold control setting on your Monitor	-----
Picture smaller than screen or volume weak	House current may be too low	House current may be too low

SPECIFICATIONS

WIRELESS RECEIVER

Output level	1Vp-p
Power supply	12V, 1500mA
Dimensions	115x75x28MM
Weight	1.2 KGS

WIRELESS CAMERA

Output level	1Vp-p
Operating frequency band	2414 to 2468 Mhz
Modulation	FM (Video and Audio)
Video input level	1Vp-p
Audio input level	1Vp-p
Video input impedance	75 Ω
Audio input impedance	600 Ω
Usable illumination	0.02Lux
Power supply	10V,300mA
Dimension	16x7x5.5 mm
Weight	0.7KGS

BASIC SYSTEM INCLUDES

- 1- Wireless receiver
- 1- Portable Wireless Camera
- 2- UL approved AC adaptors
- 1- User's Instruction

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.)