



**2.4 GHz**  
**WIRELESS VIDEO GUARDIAN**  
*CWT-5500 & MWM-1562 SERIES*



TINSE053C--001

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

### Camera Transmitter:

1. Transmit Frequency:  
2400~2483MHz
2. Microwave Output Power:  
94 dBu FCC/10mW(BZT)
3. Modulation: FM
4. Maximum Frequency Deviation:  
20 MHz
5. Audio Sub, Carrier Frequency:  
5.5 MHz, 5.74 MHz
6. Infrared Detection Range:  
1~2 meter
7. Operation Current:  
300 MA MAX.
8. Dimension:  
114W×55H×122D m/m

### Monitor Receiver:

1. Receiver Frequency:  
2400~2483MHz
2. Receiver Sensitivity:  
-80 ~ -85 dBm
3. Monitor Type: Black&White
4. Video Output: 1 Vpp 75 ohm
5. Audio Output: -8dBs 47K ohm
6. Monitor Center horizontal  
Resolution: 330 lines
7. Operation Current: <1A
8. Power Supply:  
Adaptor: DC 12V 1A  
Battery: 10 pcs size  
"C" Alkaline Battery(optional)
9. Dimension: 160W×160H×196D  
m/m

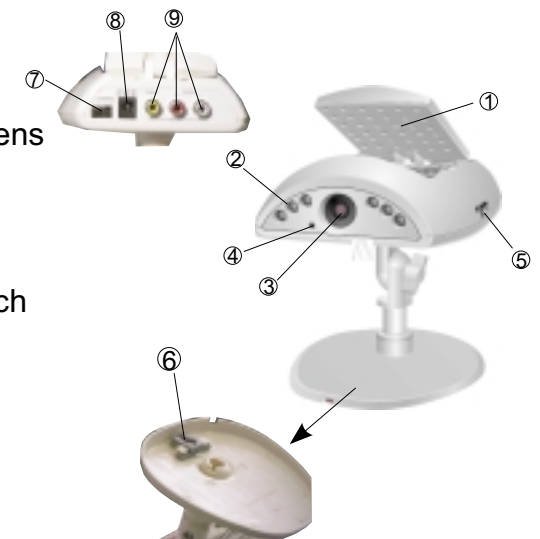
## **Specifications**

### General:

1. Operation Frequency:  
2400MHz - 2480MHz
2. Usable range: 30 ~ 50 Meter
3. Video: a) Input Impedance:  
1 Vpp 75 ohm  
b) Frequency Response:  
0 ~ 5 Mhz
4. Audio: a) Input Impedance:  
10K ohm  
b) Interface Level:  
1 Vpp  
c) Frequency Response:  
300 - 3400 Hz
5. Operation Temperature:  
-10 ~ 50 °C

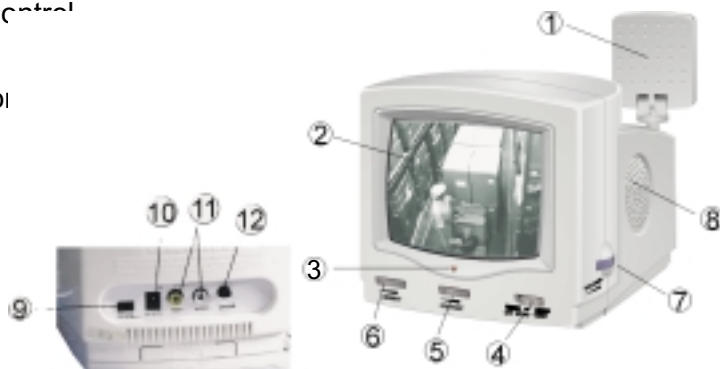
## **Location of controls on camera**

1. Patch Antenna
2. Infra-red Lighting
3. Wide-angle Camera Lens
4. Microphone
5. Off/On/Night Switch
6. Wall Mount Lug
7. Channel Selector Switch
8. DC Input Jack
9. Audio/Video Input



## **Location of controls on monitor**

- |                            |                             |
|----------------------------|-----------------------------|
| 1. Patch Antenna           | 9. Channel & timer selector |
| 2. 5 inches/12.5cm CRT     | 10. DC Input Jack           |
| 3. Power Indicator         | 11. Audio/Video Output      |
| 4. Off/Audio/Video Switch) | 12. V-Hold Control          |
| 5. Contrast Control        |                             |
| 6. Brightness              |                             |
| 7. Volume Control          |                             |
| 8. Speaker                 |                             |



## **Connections/setting up**

### **Audio Function:**

When the Monitor is switched to "Audio" position and the Camera is at power on, there will be no picture on the Monitor screen. The unit is using a small amount of power and is audio operational. You can hear the sound signal that captured from the monitoring area. The Monitor

will resume Video picture when you switch to the "Video" position.

### **Audio/Video Link Option:**

An additional security feature of this 2.4Ghz AV Monitor is that

you can link the Monitor to a VCR for recording what ever the camera sees. Also, you can link to a conventional television that has a "Picture-In-Picture" feature that allow you to take a glance to the monitoring area all the time while watching your favorite TV program.

The Video and Audio output jacks are located at the back of the Monitor. These need to be connected to the Video Input and Audio Input jacks on your VCR or television with "RCA type" cable available at your local electronics retailer.

## Connections/setting up

### Installing / Removing Batteries:

Monitor-

1. Remove the battery cover as shown below.
2. Insert (or remove) the 10 size "C" batteries as below.  
Note: Install batteries as shown by the battery compartment marking only..



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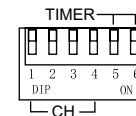
### AC Adaptor Use:

Make sure that proper AC adaptors have been installed correctly. Use only the AC adaptors supplied with the Monitor.

1. Install the plug of the AC Adaptor to the DC jack of the unit.
2. Plug the adaptor into a standard wall outlet.
3. Switch on the power switch of the unit.
4. The power indicator will be illuminated.

## Connections/setting up

### Channel & Timer Setting



1. The channel & Timer selector on the REAR cabinet used for channel & timing setting .put the switch to on position, than you can select single channel 1-4 or any other channel combination.
2. Timer setting default as below.

Switcher time	3sec	5sec	7sec	10sec
Sw5	ON	OFF	OFF	ON
Sw6	ON	ON	OFF	OFF

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## **Connections/Setting up**

Place the Camera in the most appropriate location for monitoring (tabletop, dresser or wall mount)

Point the camera lens toward the area you want to pick up picture.

Make sure that both units are on the same channel.

Check the video reception on the Monitor screen.

Adjust the quality of the picture by using the Contrast, Brightness and VHold adjustment knobs on the back and front of the Monitor.

In case of poor display quality, rotate the antennas or reposition of both units to obtain optimal picture transmission.

The infrared lighting of the camera is designed to allow the camera to pick up pictures clearly during darkness or periods of very low levels of light. Slide switch to night position on whenever needed. Please remember that if you intend to use the camera in the dark, it will only monitor objects placed within 6ft/2m of its infrared sensor.

## **Connections/setting up**

To prevent speaker and Microphone feedback noise, the Monitor should be placed far enough away from the Camera.

If the picture rolls up or down, the V-Hold control located on the back of the Monitor needs to be adjusted.

Once you have a clear and crisp picture displayed on the screen,

you can adjust the brightness and contrast by using the controls on the front of the Monitor until you achieve the desired result.

Battery Use:

The monitor requires 10 size "C" batteries when powered by battery. Alkaline batteries are recommended for longer viewing time.

1. If you are using batteries in the Monitor and the video image starts to shrink, it's time to change the batteries.
2. Do not mix old and new batteries.
3. Do not mix alkaline, standard or rechargeable batteries.
4. Remove the batteries during long period of non-use.