2.4 GHz WIRELESS
VIDEO SECURITY SYSTEM

Please read this manual thoroughly before operating this system

OPERATING INSTRUCTIONS
### SPECIFICATIONS

#### WIRELESS CAMERA

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image sensor</td>
<td>Color CMOS</td>
</tr>
<tr>
<td>Lens</td>
<td>F2.0/f3.7mm, 92° wide-angle lens</td>
</tr>
<tr>
<td>Picture element</td>
<td>510 x 492 (Color)</td>
</tr>
<tr>
<td>Scanning system</td>
<td>2:1 interface</td>
</tr>
<tr>
<td>Battery Life (assume 1300mAh)</td>
<td>3 Hours (Color)</td>
</tr>
<tr>
<td>Current Consumption</td>
<td>300mA typ. (Color); 230mA typ. (with LED)</td>
</tr>
<tr>
<td>Scanning frequency</td>
<td>15,734 KHz(H) 59.9Hz(V), EIA</td>
</tr>
<tr>
<td>Sync. system</td>
<td>Internal Synchronization</td>
</tr>
<tr>
<td>Resolution</td>
<td>380 Lines (Color)</td>
</tr>
<tr>
<td>Min. illuminations</td>
<td>2 Lux (Color)</td>
</tr>
<tr>
<td>Video Output</td>
<td>1.0Vp-p/75 Ohm</td>
</tr>
<tr>
<td>Gamma characteristics</td>
<td>r=0.45</td>
</tr>
<tr>
<td>Auto Iris</td>
<td>Electrical Auto Iris</td>
</tr>
<tr>
<td>Microphone</td>
<td>Condenser</td>
</tr>
<tr>
<td>Transmitting frequency</td>
<td>2.4 GHz-2.4835 GHz</td>
</tr>
<tr>
<td>Modulation</td>
<td>FM</td>
</tr>
<tr>
<td>RF out level</td>
<td>90dBu/V, 3m</td>
</tr>
<tr>
<td>Video Input level</td>
<td>1.0Vp-p/75 Ohm</td>
</tr>
<tr>
<td>Audio input level</td>
<td>2.0Vp-p/600 Ohm</td>
</tr>
<tr>
<td>Antenna</td>
<td>Dipole antenna</td>
</tr>
<tr>
<td>Oper. temperature</td>
<td>-14° to + 122° F or (-10°C to + 50 °C)</td>
</tr>
<tr>
<td>Power source</td>
<td>DC12V 500mA DC Adapter</td>
</tr>
<tr>
<td>Dimensions</td>
<td>7.3 (W) x 4.7 (H) x 11(D) cm or 2.8’ (W) x 1.85’ (H) x 4.3’ (D)</td>
</tr>
<tr>
<td>Weight</td>
<td>118 grams or 3.79 Oz</td>
</tr>
</tbody>
</table>

#### WIRELESS RECEIVER

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receiving frequency</td>
<td>2.41GHz - 2.48GHz (4CH)</td>
</tr>
<tr>
<td>Output level</td>
<td>1.0Vp-p(Video), 1.35Vp-p(Audio)</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>-25dBm to -80dBm</td>
</tr>
<tr>
<td>Antenna</td>
<td>Dipole antenna</td>
</tr>
<tr>
<td>Oper. temperature</td>
<td>-14° to + 122° F or (-10°C to + 50 °C)</td>
</tr>
<tr>
<td>Power source</td>
<td>9V 500mA DC Adapter</td>
</tr>
<tr>
<td>Dimensions</td>
<td>15.3(W) x 8(D) x 4.5 (H) cm or 6.02’ (W) x 3.5’ (D) x 1.77’ (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>220 grams or 7.07 Oz</td>
</tr>
<tr>
<td>Basic system includes</td>
<td>2- Wireless Cameras 1- Wireless Receiver 2- AC Adapters 1- RCA A/V Cable 1- RF Cable 1- Owner's Instructions 1- Camera Mount Screws and anchors</td>
</tr>
</tbody>
</table>

### FCC CLASS B NOTICE

**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. 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 instruction, 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 or television technician for help.

Because our products are subject to continuous improvement, SVC reserves the right to modify product designs and specifications without notice and without incurring any obligation. E&OE
If the system does not function properly, check the following points before contact the service center.

<table>
<thead>
<tr>
<th>Problems</th>
<th>Causes and remedies</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power (no picture/sound)</td>
<td>Camera: - AC adapter not plugged in</td>
</tr>
<tr>
<td></td>
<td>- Power switch not turned on</td>
</tr>
<tr>
<td></td>
<td>Receiver: - AC adapter not plugged in</td>
</tr>
<tr>
<td></td>
<td>- Power switch not turned on</td>
</tr>
<tr>
<td></td>
<td>- TV or Monitor not turned on</td>
</tr>
<tr>
<td></td>
<td>- Improper A/V cable connection</td>
</tr>
<tr>
<td>Poor reception</td>
<td>Camera: - AC adapter not plugged in</td>
</tr>
<tr>
<td></td>
<td>- Power switch not turned on</td>
</tr>
<tr>
<td>Picture flickering</td>
<td>Receiver: - Adjust antenna direction</td>
</tr>
<tr>
<td>Picture too bright, or too dark</td>
<td>- Adjust antenna direction</td>
</tr>
<tr>
<td>Picture rolls and jumps or scrambled picture</td>
<td>- Adjust antenna direction</td>
</tr>
</tbody>
</table>

FOR MORE INFORMATION
www.strategicvista.com

Because our products are subject to continuous improvement, SVC Reserves the right to modify product design and specifications without Notice and without incurring any obligation. E & OE.

IMPORTANT SAFETY INSTRUCTIONS
This wireless Audio/Video equipment is provided with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
OPTIONAL ACCESSORIES

The following optional accessories are available to add to your existing system

- **Accessory Camera** - Used to view other camera locations (Available in B&W and Color)
- **Camera Battery Compartment** - Provides 4-5 hours of power to camera. Requires 8 rechargeable NiCd/NiMh batteries, or 8 1.5V alkaline batteries
- **Accessory Receiver** - Used to connect and view picture on a T.V.
- **Accessory Transmitter** - Used to turn a wired camera into a wireless device
- **Time Lapse VCR** - Used to record key events. Available in 24 or 960 Hour Time Lapse VCR
- **Digital Monitoring System** - Connects to PC to provide digital recording and remote security monitoring via computer

FOR MORE INFORMATION
www.strategicvista.com

SAFETY INSTRUCTIONS

IMPORTANT SAFEGUARDS
All the safety and operating instructions should be read before the appliance is operated and retained for future reference.

1. **HEED WARNINGS** - All warnings on the appliance and in the operating instructions should be adhered to.
2. **FOLLOW INSTRUCTIONS** - All operating instructions should be followed.
3. **WATER AND MOISTURE** - Do not use this video product near water - for example, a bath tub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement.
4. **POWER SOURCES** - This product should be operated only from the type of power source indicated on the marking label.
5. **OVERLOADING** - Do not overload outlets and extension cords, which can result in a risk of fire or electric shock.
6. **SERVICING** - Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing or repairs to qualified service personnel.
7. **DAMAGE REQUIRING SERVICE** - Unplug this product from the wall outlet and refer servicing or repairs to qualified service personnel under the following conditions:
   a. When the power supply cord or plug is damaged.
   b. If liquid has been spilled or objects have fallen into the product.
   c. If the product has been exposed to rain or water.
   d. If the product does not operate normally by following the operating instructions.
   Adjust only those controls that are covered by the operating instructions.
   e. If the product has been dropped or the cabinet has been damaged.
   f. When the product exhibits a distinct change in performance.
SYSTEM OPERATION

AUTO MODE VIEWING OPTIONS

This system is preset to Manual mode, with a dwell mode of 2 seconds. In Auto mode, the LED light will be ON.

To manually view a specific camera location, press the Auto/Manual button. Press the Ch. Select key to view the desired camera location.

Press the Auto/Manual button to return to the Auto Mode feature.

* NOTE: In the event of a power failure or a power breakdown, your system will automatically switch back to Channel 1.

SELECTABLE DWELL SETTING

This system provides you the option of three selectable dwell options (2, 5 and 10 seconds) when the system is set to Auto Mode. This system is preset to two second selection.

Changing Dwell Mode

1. Press and hold the CH select button. The LED button will turn on to indicate that it is set to 2 seconds.
2. Continue to press and hold the CH select button. The LED button will flash at a one second interval to indicate that it is now set to the 5 second interval.
3. Continue to press and hold the CH select button. The LED button will flash three times to indicate it is set to the 10 second interval.

8. REPLACEMENT PARTS - When replacement parts are required, be sure the service technician has used replacement parts that are specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

9. SAFETY CHECK - Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine if the video product is in proper operating condition.

10. An appliance and cart combination should be moved with care. Do not place this equipment on an unstable cart, stand, or table. The equipment may fall, causing serious injury to a child or adult, and serious damage to the equipment. Wall or shelf mounting should follow the manufacturer's instructions and should be done with a mounting kit approved by the manufacturer.

* NOTE: In the event of a power failure or a power breakdown, your system will automatically switch back to Channel 1.
SYSTEM OPERATION

USING SYSTEM WITH MORE THAN ONE CAMERA

The receiver will automatically do a self diagnostics when it is powered up. If everything is OK, the four LED Channel LED indicator lights will turn on for one cycle.

This video security system allows you to view up to four different camera locations. When connecting more than one camera to the monitor/camera system, you will need to set each camera to a different channel (Channels 1-4).

AUTO SCANNING

This video security system provides you the option to automatically switch between the four camera locations. If you have fewer than four cameras, you can also set the system to scan between three or two locations.

Setting Auto Scan to 2 or 3 camera locations

1. Press and hold the Auto/Manual button for more than 2 seconds. All four LED lights on the front of the monitor will turn ON. Releasing the Auto/Manual button to remain in the four channel switching option.
2. Continue to press and hold the Auto/Manual button. The Channel 4 LED button will turn off. The system is now set to scan between three camera locations (Channel 1-3)
3. Continue to press and hold the Auto/Manual button. The Channel 3 LED button will now be turned off. The system is now set to scan between two camera locations (Channel 1-2)
4. Continue to press and hold the Auto/Manual button to return to the four camera viewing option (all four LED lights will be illuminated)
CONTROLS AND FUNCTIONS

CAMERA

1. LENS
   Color (depending on system purchased)

2. MICROPHONE
   Built-in condenser microphone provides audio capability from camera to monitor television

3. 6 INFRA RED LED’s - Enhances picture quality in low light conditions. (Available in B&W system only)

4. 2.4 GHz ANTENNA
   High gain directional dipole antenna sends Audio and Video signals to the monitor.

5. STAND MOUNTING SOCKET
   Reinforcement lock for camera stand.

6. CHANNEL SELECTOR SWITCH
   Slide switch for the channel 1-4 selection.

7. ON/OFF POWER SWITCH
   Controls power to the camera. Note: Please ensure you set the switch to the OFF position before plugging the AC adapter into the unit.

8. DC IN JACK
   Plug the 12V(500mA) AC Adapter in here.

NOTE
Both Camera and Receiver units must be set to same channel.

5. Adjust the antenna direction as necessary.
INSTALLATION OF THE RECEIVER

1. Place the wireless receiver near your television (or monitor).
2. Connect the supplied 9V 500mA AC adapter to the DC IN jack at the rear of the receiver and plug it into an electrical outlet.

3. Turn both the Camera and Receiver ON. Set your TV to Video mode to view the receiving signal from the Camera. (Consult your television's owner's manual on setting the television to Video (Aux) mode.)
4. Search the channel 1-4 by using Channel Selector Switch on the Receiver and Camera. Select the best one for optimum reception in your area.
5. Adjust the antenna direction as necessary.

NOTE: Both Camera and Receiver units must be set to the same channel.

CONTROLS AND FUNCTIONS

WIRELESS RECEIVER

1. 2.4GHz A/V ANTENNA
   High gain dipole antenna receives audio and video signal from the camera.

2. LED CHANNEL INDICATORS
   Indicator light shows the selected channel.

3. AUTO/MANUAL BUTTON
   Used to view a camera in full screen, or to have the system automatically rotate the camera between up to four cameras.

4. CHANNEL SELECTOR BUTTON
   Push button for manual selection of cameras 1-4.

5. ON/OFF POWER SWITCH
   ON/OFF power switch. Ensure this switch is set to OFF before plugging the system into an electrical outlet.

6. RF OUT JACK
   Used to connect the receiver to a TV using the supplied coaxial cable.

7. DC IN JACK
   Power source for the receiver. Connect the supplied 9V 500mA AC adapter to the receiver.

8. VIDEO OUTPUT JACK (Yellow)
   RCA jack for Video output connection when connecting the receiver to the television using the supplied RCA cable.

9. AUDIO OUT JACKS (White)
   RCA jacks for Audio output connection when connecting the receiver to the television using the supplied RCA cable.

10. CHANNEL 3/4 SELECTOR SWITCH
    Used to view picture on television when using Coaxial cable (preset to channel 3).

11. GREEN LED INDICATOR
    Indicates whether the auto scanning sequence is turned "ON or OFF."
CONNECTION OF RECEIVER TO TELEVISION USING COAXIAL CABLE

You can connect this system either using the supplied RCA or coaxial cables.

1. Place the wireless receiver near your television (or monitor)
2. Connect the supplied 9V 500 mA DC adapter to the DC IN jack at the back of
   the receiver and plug it into an electrical outlet.

   ![Diagram](image)

   **NOTE**

   Ensure the Power Switch on the Receiver and Camera are turned OFF prior to
   Proceeding with the following steps.

1. Connect one end of the coaxial cable to the back of the receiver. Plug the other end
   of the coaxial cable to the television.
2. Turn the Camera and Receiver ON. Set your TV to Video mode to view the
   receiving signal from the Camera. (Consult your televisions owners manual on
   setting the television to Video (Aux) mode.
3. Search the channel 1-4 by using Channel Selector Switch on the Receiver and
   Camera. Select best one for optimum reception in your area.

   **NOTE**

   Both Camera and Receiver units must be set to same channel.

4. Adjust the antenna direction as necessary.

WIRELESS CAMERA – INSTALLATION

1. Attach the stand base to the wall or ceiling where you want to install the camera.
   Locate a wall stud or ceiling joist and secure bracket using the three supplied screws.
2. Attach the camera to the stand and firmly tighten the swivel.
3. Attach the camera with the stand to the stand base and firmly tighten the joint knob
   on the stand base.
4. Connect the supplied 12V 500mA DC adapter to the DC IN jack at the rear of the
   camera and plug it into the electrical outlet.
5. Ensure the power switch on the camera is turned OFF.
6. Connect one end of the power supply to the DC IN jack located at the back of the
   camera. Plug the other end into an electrical outlet.

   ![Diagram](image)