



# Home Monitoring B/W Wireless Camera System with Monitor

User Manual



[www.jascoproducts.com](http://www.jascoproducts.com)

**1-800-654-8483**

Thank you for purchasing the GE 45235 B/W Wireless Camera System with Monitor. Please review these instructions carefully before attempting to operate the unit.

## **PRODUCT FEATURES**

- “Wi-Fi” internet friendly wireless system—won’t interfere with home wireless networks
- View up to two cameras automatically
- Audio Detection & Notification feature—alerts when sound is detected in a monitored area
- Night Vision feature for low or no light viewing up to 10 ft.
- Unique “axis-swivel” camera mount allows for desktop or wall installation
- Adjustable antenna for both camera and monitor
- Wirelessly transmits audio and video up to 200 ft (unobstructed line of sight)
- Camera for Indoor/Outdoor use

## **PACKAGE CONTENTS**

Please check and identify all the parts before proceeding with the installation.

1. 45235B/W Wireless Camera
2. 45235 5.5" B/W CRT monitor
3. Wall mounting hardware
4. 2 AC adapters

## **BEFORE YOU INSTALL**

When choosing the best location for the placement of the camera and monitor, it is best to avoid any sources of possible RF interference such as microwave ovens and cordless phones. Proximity to these and other sources of RF interference can inhibit the proper functioning of the receiver.

The 900MHz video signals pass easily through your home's interior walls, but the signal may be reflected by power wires or plumbing inside those walls. Usually a slight adjustment to the position of the Monitor/Receiver and/or Camera antenna will improve reception. Take care not to force the antennas past their lock positions.

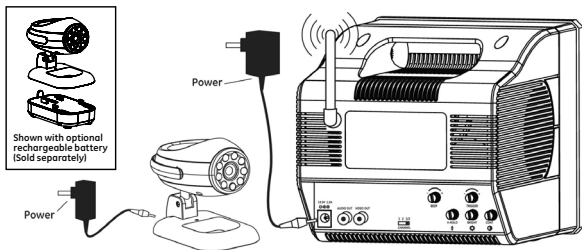
## **CHOOSING A CAMERA MOUNTING LOCATION**

The Wireless B/W Camera included in the 45235 system can be positioned on a desktop, or mounted to a wall. It is suitable for indoor or outdoor use. When choosing a mounting location, please be advised:

- Do not use in wet locations. If using outside, position camera in a sheltered location.
- Do not position the camera so that it points directly into the sun or any bright light, as this may cause damage to the camera.
- Avoid viewing areas where half the area is in bright sunlight and the other half is dark, such as in the shadow of a building. All types of cameras have difficulty “seeing” into areas of such divergent light levels.
- In low light conditions, the camera will automatically activate the Infrared (IR) LED’s and switch the camera to Night Vision mode. Night Vision viewing distance is up to 10 feet.
- The AC adapter used to power the camera cannot be positioned farther than 8 ft. from an AC socket. Do not use the supplied adapter outside or run the cable through walls. If you need to extend the adapter cable, 15 ft. extensions are available by contacting Customer Service at 800-654-8483.
- The Camera has an unobstructed wireless transmission range up to 200 ft. from the receiver. Transmission distance indoors is reduced due to interior walls, wiring, household fixtures and metal plumbing.

## CONNECTING TO THE MONITOR

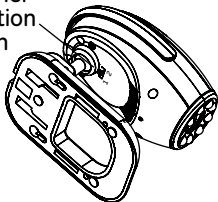
Before beginning installation, we recommend that you temporarily “connect” the 45235 B/W Wireless Camera to the 5.5” Monitor to help familiarize yourself with the camera system and select the best location for installing the camera. The camera connects wirelessly and automatically to the monitor when both are powered on and within 200 ft. of each other (unobstructed view). This system will accommodate up to 2 cameras.



1. Plug the AC adapter into the power jack on the back of the monitor, then into an AC outlet.
2. Turn on the monitor by pressing the power button on the front of the unit. Adjust the sound level at the front of the monitor to midpoint with the volume control knob.
3. Select the appropriate “channel” (1 or 2) on the monitor that corresponds to the channel switch

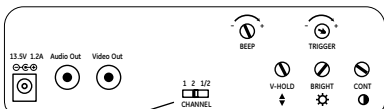
setting (1 or 2) located on the inside of the camera housing. (See Channel Selection.)

Channel Selection switch



4. Brightness/Contrast and Vertical Hold can be adjusted with controls at the back of the monitor.

Monitor controls



Channel Selection switch

## CHANNEL SELECTION

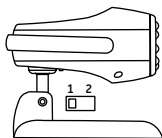
### Manual Mode

To select one of the two channels manually, press the MANUAL button on the front panel of the Monitor. The green LED will light for the corresponding channel. The Monitor will switch to a different channel (1 or 2) each time the MANUAL button is pressed. When you have selected the channel with the active camera, that video will appear on the monitor screen. Each camera must be assigned to a specific channel; both cameras cannot be on the same channel or the signals will cancel out.

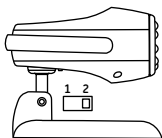
## Multi-Camera Operation

This wireless surveillance system is designed to work with up to 2 cameras. Additional cameras are sold separately. **IMPORTANT: When using more than one camera, each camera must be assigned to a specific channel using the channel selection switch located on the underside of the camera housing.**

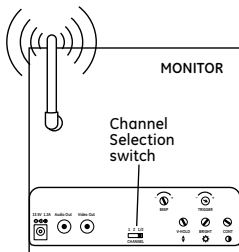
Select either 1 or 2 for each camera. Each camera must be assigned to a specific channel; both cameras cannot be on the same channel or the signals will cancel out. If using only one camera you can select either Ch 1 or Ch 2, whichever provides the best picture. The slide switch located on the rear of the Receiver must be set to reflect the channels in use.



CAMERA 1  
Channel Setting



CAMERA 2  
Channel Setting



## Auto Mode (2 Camera Operation)

To have the Monitor automatically switch between two active channels, first check the receiver is set

to 1/2 position. Next, press the AUTO button on the front panel of the Monitor. The green LED will light and the Monitor will automatically select between the two active cameras. The monitor will display images from both cameras alternately.

### **Cycle Time Setting** **(Time interval between camera selections)**

The default cycle time for the receiver is preset to 4 seconds. To change the cycle time, press both of the buttons (Auto/Manual) on front of the receiver simultaneously. The Monitor will beep. Each beep is one extra second of cycle time added. The cycle time can be verified by the number of flashes the LED makes when you release the buttons—one flash equals one second. Cycle time can be set between 2-30 seconds.

### **NIGHT VISION**

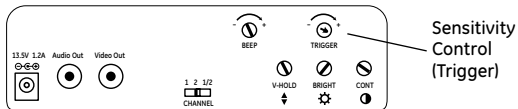
The 45233 Wireless Color Camera features Night Vision technology. Objects and images can be seen in little or no light up to 10 ft. The camera uses a special image sensor that automatically detects available light levels. It turns on/off the Infra-Red (IR) LEDs on the front of the camera. These LEDs provide artificial light that allows the camera to 'see' in the dark. **Night Vision will appear as a Black and White image.** When the image sensor detects



enough light, color will return to the images.

## AUDIO DETECTION AND NOTIFICATION FEATURE

This feature allows the system to emit an audio alert whenever sound is detected within a monitored area. When the camera detects a sound, the receiver will sound an alert and 'Alarm' light on the front of the Monitor will flash. The sensitivity for the level of audio detection (when the Monitor will sound an alert) can be adjusted with the sensitivity control located at the back of the Monitor. The alert sound can be turned OFF by adjusting the sensitivity control to '-' (Minimum).



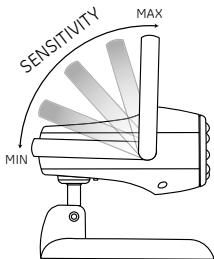
## INSTALLATION

Once your preferred camera mounting location has been chosen, power OFF the Monitor and disconnect the AC adapter from the wireless camera before proceeding.

### Desktop Mount:

1. Place camera in desired location on a flat surface.
2. Set Channel switch on camera to 1 or 2.
3. Reconnect AC adapter to the camera and power on the monitor.

4. Adjust antenna and camera angle as needed for the clearest picture. Positioning the antenna upwards to improve transmission distance, and downwards to reduce transmission. Take care not to force the antenna past its lock positions.

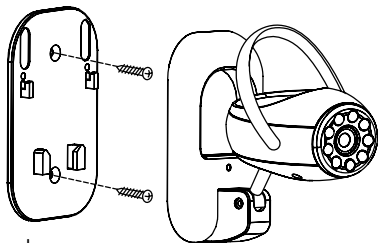


Antenna pivots to increase/decrease signal strength

### Wall Mount:

1. To simplify the wall mount process, you will find a custom wall mounting plate included with the mounting hardware.
2. Select the ideal location. Using the supplied mount as a template, drill two 3/16" holes in the desired mounting location, and install the two wall anchors (included) into the holes, or screw directly into a wall stud. Secure the mounting plate to the wall, Do not run the adapter cable in walls; when securing the cable, do not cut or puncture.

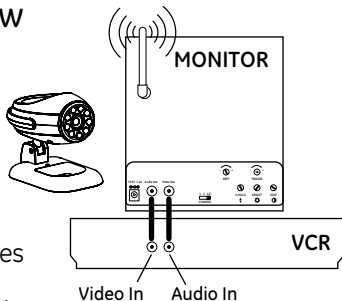
3. Set Channel switch on camera to 1 or 2. Slide the camera onto the alignment and locking pins of the mounting plate.

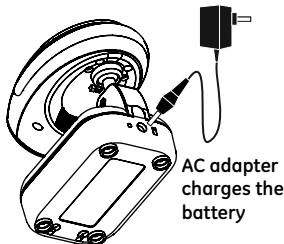


4. Adjust antenna and camera angle as needed for the clearest picture.

### USING THE 45235 B/W WIRELESS CAMERA SYSTEM WITH A VCR

You can connect the 45235 Monitor to a VCR, DVR or another monitor in order to record/view the images received from up to 2 cameras. If connected to VCR or DVR, the VCR/DVR must also be connected a TV/Monitor in order to see live or recorded images.





Wall or desktop mount

### **OPTIONAL WIRELESS BATTERY PACK AVAILABLE (SOLD SEPARATELY)**

Rechargeable NiMH Battery is available for use with the 45235 Wireless B/W Camera. This 850mAh battery will power the wireless Camera for approximately 5 hours on a single charge. To order this battery, please visit [www.jascoproducts.com/batteryoffer](http://www.jascoproducts.com/batteryoffer) or call our Customer Support department at 1-800-654-8483, Monday-Friday 8 a.m.-5 p.m. CST.

### **TROUBLE SHOOTING**

If you have any questions or feel the camera system is not operating correctly, or you simply need additional information, please visit our web site [www.jascoproducts.com](http://www.jascoproducts.com), or contact our Customer Service Group 1-800-654-8483.

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### *No camera picture*

1. Check all connections. Make sure camera(s) and receiver are powered ON.
2. Ensure camera(s) and receiver are set to correct channel(s).
3. Make sure camera is within range of receiver.
4. Adjust the antennas of the monitor and camera(s).

### *Blank monitor*

1. Make sure receiver or monitor is switched ON, and the correct video input has been selected
2. If using AC adapter, make sure it is plugged in.
3. If using a battery, make sure it is installed correctly, and is fully charged.

### *Interference on camera picture*

1. Make sure each camera (transmitter) is within range, and that no large obstructions are blocking the signal.
2. Try repositioning the camera, monitor (receiver) or both to improve the reception quality.
3. If a camera is positioned close to the monitor, point antenna away from the monitor.
4. Reposition other nearby equipment transmitting on the 900MHz frequency.

5. Adjust the antennas of the monitor and camera(s).

### *Audio problems*

1. Ensure the volume is turned up sufficiently on the Monitor (or TV).

2. Make sure the sound is within the microphone range.

3. If the unit emits a loud wailing sound (feeds back), try moving the camera away from the monitor or angle the monitor in a different direction.

## **SPECIFICATIONS** *(Subject to change without notice.)*

### **CAMERA**

TV System .....	NTSC
Integrated Lens.....	5.6mm, F1.8 fixed focus
Resolution.....	360 horizontal TV Lines
High-Speed Electronic Shutter .....	1/60 - 1/6,000 sec
Image Sensor.....	1/4" CMOS
Min. Illumination.....	0 lux at 3 ft, 0.5 lux at 10ft
Voltage .....	9VDC
Current Consumption.....	150mA maximum
Overall Size.....	2.35"W x2.74Hx3.160D
Frequency Range.....	902 - 928 GHz
Modulation.....	FM
Channel Selection .....	Manual
Case Finish .....	UV resistant ABS plastic

### **MONITOR**

Frequency Range.....	902 - 928 MHz
Voltage .....	13.5VDC

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Current Consumption.....	Approx. 800 mA
Output.....	Audio/Video
Overall Size.....	5.7" W x 7.28" H x 8.46" D

## WARRANTY

**ONE-YEAR LIMITED WARRANTY:** Jasco Products Company warrants this product to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this unit. This warranty is in lieu of all other warranties express or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific rights, and you may also have other rights which vary from state to state. If unit should prove defective within the warranty period, return prepaid with dated proof of purchase to:

Jasco Products Company

10 E. Memorial Road, Oklahoma City, OK 73114

### **WARNING**

#### **Risk of fire and shock**

- Only use the supplied cUL listed AC to DC adapter.
- The supplied adapter is for indoor use only.
- Do not run the camera cable inside walls; when securing the cable, do not cut or puncture
- Do not use in wet locations

## FCC STATEMENT

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 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.

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