



# Home Monitoring B/W Wired Camera System with Monitor

User Manual



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

**1-800-654-8483**

Thank you for purchasing the GE 45232 B/W Wired Camera System with Monitor. Please review these instructions carefully before attempting to operate the unit.

## **PRODUCT FEATURES**

- Night Vision feature for low or no light viewing up to 10 ft.
- View up to four cameras automatically
- Small, unique camera design is simple and easy to use
- Wall or desk mount for camera
- Wired Camera for Indoor/Outdoor use

## **PACKAGE CONTENTS**

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

1. 5.5" B/W CRT monitor
2. B/W Camera with desktop mount
3. Wall mounting bracket for camera with mounting hardware
4. AC adapter
5. 60 ft. camera cable (not rated for in-wall use)

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## **CHOOSING A CAMERA MOUNTING LOCATION**

The Camera included with the 45232 Monitor 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:

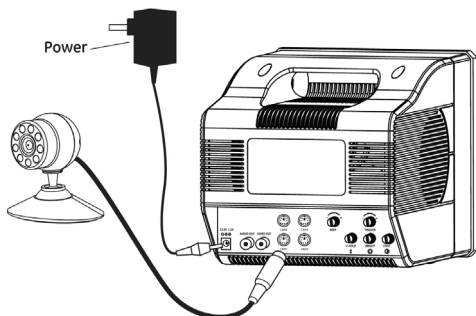
- Do not use in wet locations. If using outside, position camera in a sheltered location.
- Do not position the camera so that it points directly into the sun or any bright light, as this may cause damage to the camera.
- Avoid viewing areas where half the area is in bright sunlight and the other half 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.

## **CONNECTING TO THE MONITOR**

Before beginning installation, we recommend that you temporarily connect the 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 to any of the video inputs (1-4) on the back of the monitor. This system will accommodate up to 4 cameras. The monitor supplies power to each of the cameras.

1. Plug the power 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 and set the volume to midpoint.
3. Select the appropriate "channel" (1-4) on the monitor that corresponds to the input (1-4) the camera lead is connected. (See Channel Selection).
4. Adjust the sound level at the front of the monitor with the volume control knob. Brightness/Contrast

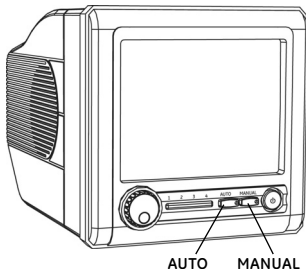


and Vertical Hold can be adjusted with controls at the back of the monitor.

## CHANNEL (CAMERA) SELECTION

### Manual Mode

To select one of the four 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, 2, 3, 4) 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.

### Auto Cycle Mode

To have the Monitor automatically switch between active channels, press the AUTO button on the front panel of the Monitor. The green LED will light and the Monitor will automatically select between the active cameras. The monitor will display images from both cameras alternately. The Monitor will only search active channels (channels with cameras connected).

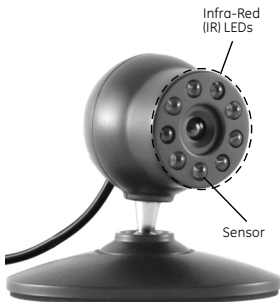
## Cycle Time Setting (Time interval between camera selections)

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.



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## INSTALLATION

Once your preferred camera mounting location has been chosen, disconnect the camera lead and turn off power to the monitor before proceeding.

### **Desktop Mount:**

1. Place camera in desired location on a flat surface.
2. Run the 60' cable from the camera's location to the location of the TV, VCR or DVR. Use the cable clips provided to keep the cable in place. (See Notes on Cable Installation.) Take care not to pierce, puncture or cut the cable when securing. Do not run cable inside walls.
3. Switch on the power to the TV, VCR or DVR. Select appropriate AV input on TV, VCR or DVR. (Refer to "Connecting to a TV" or "Connecting to a VCR or DVR" sections.)
4. Adjustments can now be made to the camera viewing angle by rotating the camera head or desktop mount.

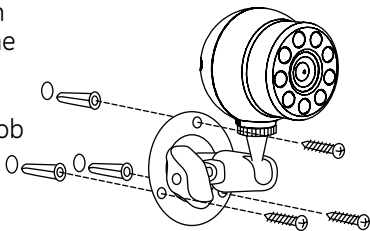
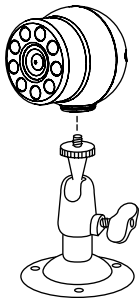
### **Wall Mount:**

1. Disconnect the camera lead.
2. Unscrew the camera from the desktop base and screw on to the wall mount bracket.

3. Drill three 1/8" holes in mounting location and insert wall anchors provided. Position wall bracket over the anchors and install screws or screw directly into a stud.

4. Run the 60' cable from the camera's location to the location of the Monitor. Use the cable clips provided to keep the cable in place. (See Notes on Cable Installation.)

5. Adjustments can now be made to the camera viewing angle by loosening the adjustment knob and tilting and rotating the camera head.



## NOTES ON CABLE INSTALLATION

1. Use care when running the cable from the camera to the TV, VCR or DVR; when securing the cable, do not cut, pierce or puncture. **DO NOT RUN CABLE INSIDE WALLS.**

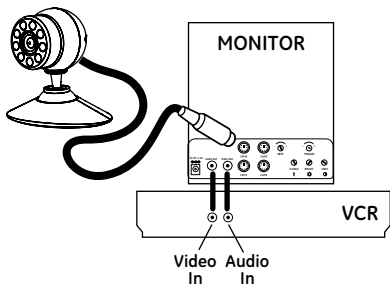
2. Keep the camera cable away from other cables where possible, in order to reduce the risk of picture and audio interference.



3. Avoid laying the cable next to any heat sources.
4. If the cable is run along the ground, a protective covering must be used to prevent the cable from being damaged, stepped on or becoming a tripping hazard.
5. The camera cable may be extended up to 300 ft. with additional cable (not supplied.) Remember this when choosing a location for the camera. An additional 60 ft. extension cable is available: contact Customer Service at 800-654-8483.

### **USING THE 45235 WIRELESS B/W CAMERA SYSTEM WITH A VCR, DVR OR ANOTHER MONITOR**

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.



**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.**

## **TROUBLE SHOOTING**

### *No camera picture*

1. Check all connections. Make sure Monitor is powered ON.
2. Ensure camera(s) and monitor are set to corresponding channel(s).

### *Blank monitor*

1. Make sure Monitor is switched ON.
2. Make sure AC adapter is plugged in.
3. Make sure camera(s) are properly connected to monitor.

### *Audio problems*

1. Ensure the volume is turned up sufficiently on the Monitor.
2. Make sure the sound is within the camera's microphone range.
3. If the unit emits a loud wailing sound (feedback), try moving the camera away from the monitor or angle it differently.

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

### **AC/DC ADAPTER**

Power supply operating voltage.....	120V 60Hz
Output voltage.....	13.5 DC
Output current.....	1.2A maximum

### **CAMERA**

Camera operating voltage .....	9V DC
Current consumption .....	100mA maximum
Horizontal resolution.....	360 TV lines
High-Speed Electronic Shutter.....	1/60-1/6000 sec
Camera Type.....	B/W 1/4" CMOS
Lens.....	5.6mm, F1.8 Fixed Focus
Overall size.....	Diameter: 1.6"
Pre-connected Cable type.....	6 conductor cable
Lead Connectors.....	6 pin mini-DIN plug
60' Lead Cable type.....	6 conductor cable
Connectors .....	6 pin mini-DIN socket

### **MONITOR**

Operating Voltage.....	13.5V
Current Consumption.....	1A maximum
Horizontal Resolution.....	360TV Lines
Output.....	Audio/Video
Video signal output .....	1 Vp-p into 75 Ohm
Audio signal output.....	1 Vp-p into 10k Ohm
Overall Size.....	5.7" W x 7.28" H x 8.46" D
General Operating Temperature .....	-10°C to +40°C
Humidity.....	Less than 85%

## 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

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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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