



# Home Monitoring **Wired Color Camera**

User Manual



For indoor/outdoor use. Do not use in wet locations.

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

**1-800-654-8483**

Thank you for purchasing the GE 45231 Wired Color Camera. Please review these instructions carefully before attempting to operate the unit.

## **PRODUCT FEATURES**

- Night Vision feature – can view up to 10 ft. in low or no light
- Connects to any video input for an “instant monitoring system”
- Small, unique design is simple to set up and easy to use
- Wall or desk mount
- For Indoor/Outdoor use

## **PACKAGE CONTENTS**

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

1. 45231 Color Camera with desktop mount
2. Wall mounting bracket with mounting hardware
3. AC adapter
4. 60 ft. camera cable (not rated for in-wall use)
5. 3-Wire Adapter cable

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## **CHOOSING A CAMERA MOUNTING LOCATION**

The 45231 Color Camera 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:

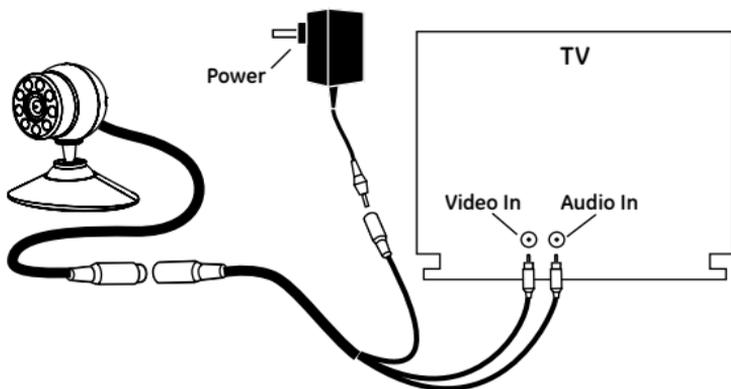
- Do not use in wet locations. If using outdoors, position in sheltered location.
- DO NOT position the camera so that it points directly into the sun or any bright light, as this may cause damage to the camera.
- Avoid viewing areas where half the area is in bright sunlight and the other half is dark,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

## **TESTING THE SYSTEM**

Before beginning installation, we recommend that you connect the 45231 Color Camera to your TV, VCR or DVR to help you familiarize yourself with the camera system and choose the best location for installing the camera.

## CONNECTING TO A TV

The 45231 connects to the video and audio input jacks on the back of your TV, VCR or DVR. If you are not using a VCR or DVR, connect the 45231 Color Camera to your TV as shown below.



### To view:

1. Switch on the TV; set the volume to midpoint. Connect to the 45231 Color Camera.

Note: For temporary installation you can connect the camera to the TV, VCR or DVR without using the 60 ft. extension cable. Simply connect the 3-Wire adapter cable directly to the end of the 6 ft. cable coming from the camera.

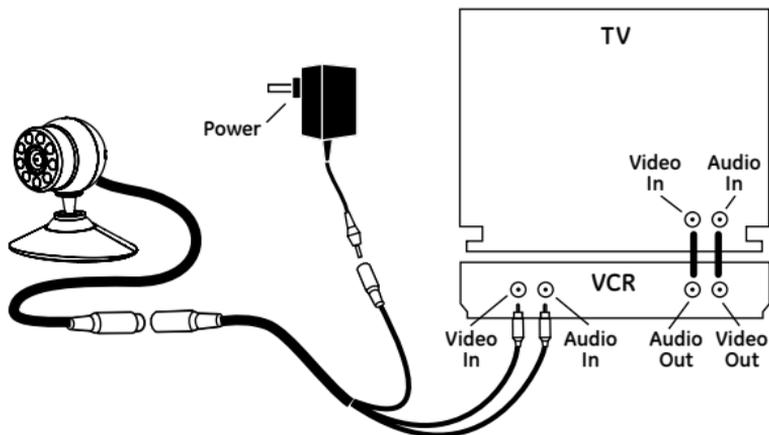
2. Plug in the AC adapter and insert the yellow cable to the video jack and the white cable to the left/mono audio jack of the TV.
3. Select the AV input on your TV by pressing the button labeled AV or VIDEO on either your TV or TV

remote control. You should now be able to see and hear the output from the camera.

Note: You can extend the cable using the 60 ft. extension cable at any time to optimally locate the camera (provided the cable length is sufficient). The camera cable can be extended up to 300 ft. Contact the Customer Service Group (1-800-654-8483) to purchase extension cables.

### CONNECTING TO A VCR or DVR

If you using a VCR or DVR, connect the 45231 Color Camera as shown below:



#### To view:

1. Switch on the TV and VCR or DVR; Connect the 45231 Color Camera to the VCR or DVR by connecting the 3-Wire adapter cable directly to the end of the 6 ft. cable coming from the camera. Plug in the AC adapter and insert the yellow cable to the video jack

and the white cable to the left/mono audio jack. You can extend the cable using the extension cable at any time to optimally locate the camera (provided the cable length is sufficient).

2. Select the VCR channel on your TV (3 or 4). This should be the normal channel or input you normally use to watch the VCR or DVR.

3. Select the AV input on your VCR or DVR by pressing the button labeled AV or VIDEO on the VCR/DVR or on the VCR/DVR's remote control. You should now be able to see and hear the output from the camera.

Once your preferred mounting location has been chosen, disconnect the camera lead and turn off power to the TV, VCR or DVR and proceed to the Installation section.

### 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.

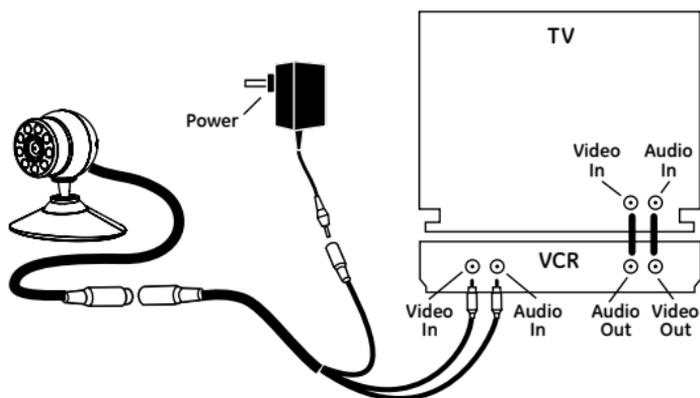


It turns on/off the Infra-Red (IR) LEDs on the front of the camera. These LEDs provide artificial light that allows the camera to 'see' in the dark. **Night Vision will appear as a Black and White image.** When the image sensor detects enough light, color will return to the images.

## INSTALLATION

### 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.) Do not run cable inside wall; Take care not to pierce, puncture or cut the cable when securing.



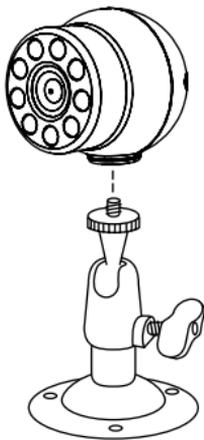
3. Connect the camera cable to the TV, VCR or DVR by connecting the 3-Wire adapter cable to the end of the 60 ft. cable coming from the camera. (See diagram). Locate the connector on the 3-Wire adapter labeled 'power' and plug in the AC adapter. Insert the yellow plug to the video jack and the white plug to the left/mono audio jack on the TV, VCR or DVR.

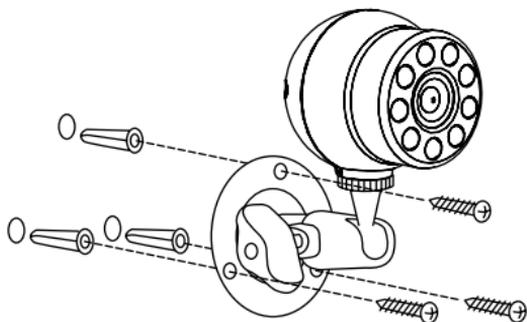
4. Switch on the power to the TV, VCR or DVR. Select appropriate AV input on TV, VCR or DVR. (Refer to "Connecting to a TV" or "Connecting to a VCR or DVR" sections.)

5. Adjustments can now be made to the camera viewing angle by rotating the camera head or desktop mount.

### Wall Mount:

1. Disconnect the camera's cable.
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 TV, VCR or DVR. Use the cable clips provided to keep the cable in place. (See Notes on Cable Installation.) Do not run cable inside wall; Take care not to pierce, puncture or cut the cable when securing.

5. Connect the camera cable to the TV, VCR or DVR by connecting the 3-Wire adapter cable to the end of the 60 ft. cable coming from the camera. Locate the connector on the 3-Wire adapter labeled 'power' and plug in the AC adapter. Insert the yellow plug to the video jack and the white plug to the left/mono audio jack on the TV, VCR or DVR.

6. 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. If additional cable length is required, a 60 ft. extension cable is available; contact Customer Service at 800-654-8483.

**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.**

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

### AC/DC Adapter

Power supply operating voltage.....	120V 60Hz
Output voltage.....	9V DC

Output current ..... 400mA

### **Camera**

Camera operating voltage..... 9V DC

Current consumption .....100mA maximum

Camera type..... Color 1/4" CMOS

Horizontal resolution.....360 TV lines

High-Speed Electronic Shutter ..... .016s to 6.3us

Lens ..... 5.6mm, F1.8 Fixed Focus

Video signal output .....1 Vp-p into 75 Ohm

Audio signal output..... 1 Vp-p into 10k Ohm

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

Operating Temperature..... 14°F to 104°F (-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 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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