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Swann
Advanced security made easy™

plug&playsecurity

Compact Indoor Security Camera
Night Vision 16ft / 5m

PNP-50™

Operating Instructions

■ **FCC Verification:**

NOTE: This equipment has been tested and found to comply with the limits for 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 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 the 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

■ **IMPORTANT NOTE: Prohibition against eavesdropping**

Except for the operations of law enforcement officers conducted under lawful authority, no person shall use, either directly or indirectly, a device operated pursuant to the provisions of this Part for the purpose of overhearing or recording the private conversations of others unless such use is authorized by all of the parties engaging in the conversation.

■ **WARNING:** Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

■ **IMPORTANT SAFETY INSTRUCTIONS:**

· Make sure product is fixed correctly and stable if fastened in place
· Do not operate if wires and terminals are exposed

Problem: I can't see the camera on my TV.
Solution: Ensure the camera is plugged in and the TV or VCR is tuned to the correct input channel.

Problem: The image is too far away.
Solution: Change the lens to the larger telephoto lens for a zoomed in image. Unscrew the attached lens and replace with telephoto lens.

Problem: The BNC Extension Cable will not connect to my TV.
Solution: Connect the BNC to RCA adapter to the end of the Extension Cable and plug into the TV.

Problem: On my Swann DVR, Video Loss appears where my camera should be.
Solution: Check the Extension cable is securely connected to the camera and check the connection is secure on the back of the DVR. Also ensure the camera has power by trying a second power outlet.

Technical Specifications

■ **Video**

Image Sensor	1/3" Colour Super CMOS
Video Quality	400 TV Lines
Number of Effective Pixels	NTSC: 510 x 492 / PAL: 628 x 582
Signal / Noise Ratio	> 50dB
Electronic Shutter	1/60 - 1/15,000 NTSC / 1/50 - 1/15,000 PAL
White Balance	Automatic
Gain Control	Automatic
Backlight Compensation	Yes
Day/Night Mode	Colou-r during the day / Switches to B&W at night
Minimum Illumination	0 Lux (IR on)
Lens	4mm
Viewing Angle	90 degrees

■ **General**

Indoor/Outdoor	Indoor Only
Operating Power	DC 12V
Operating Temperature	0°C ~ 45°C / 32°F ~ 113°F
Body Construction	Heavy duty plastic
Dimensions - Camera & Stand	4.25" x 2.75" x 1.75" / 108mm x 69mm x 44mm
Weight – Camera & Stand	4.2oz / 125g

Viewing the Camera on Your TV or VCR

Viewing the PNP-50 on a TV
After connecting the PNP-50 Camera directly to your TV and powering it on as described on page 4, tune the TV to the correct input channel.

On your TV's remote control, the input button is usually labelled as Input, Source, A/V, Channel 0, AUX etc.*

Viewing and Recording the PNP-50 on a VCR
Connect the PNP-50 into an available input channel on your VCR in the same manner as the TV connection listed on page 4. Turn on your VCR and TV as if you were about to play a VCR tape.

On your VCR's remote control, find the input button with is usually labelled as L1, L2, Input, Source, A/V, Channel, 0, AUX etc.* Insert a tape and push record to record the camera.

*Consult the TV or VCR instruction manual for details about changing input channels

Table of Contents

Tips & Suggestions

Never aim the camera directly at the sun as it may damage the sensor

Test all connections and ensure the camera is working correctly prior to permanent installation

Install cameras high enough or out of reach to avoid tampering

Place Security Stickers in a visible location to alert potential thieves they are being monitored

Mix real cameras with dummy cameras to give the impression of increased security coverage

Purchase a Swann DVR to record multiple cameras simultaneously and easily monitor your property.

Place cameras in high traffic areas such as doorways to maximise security

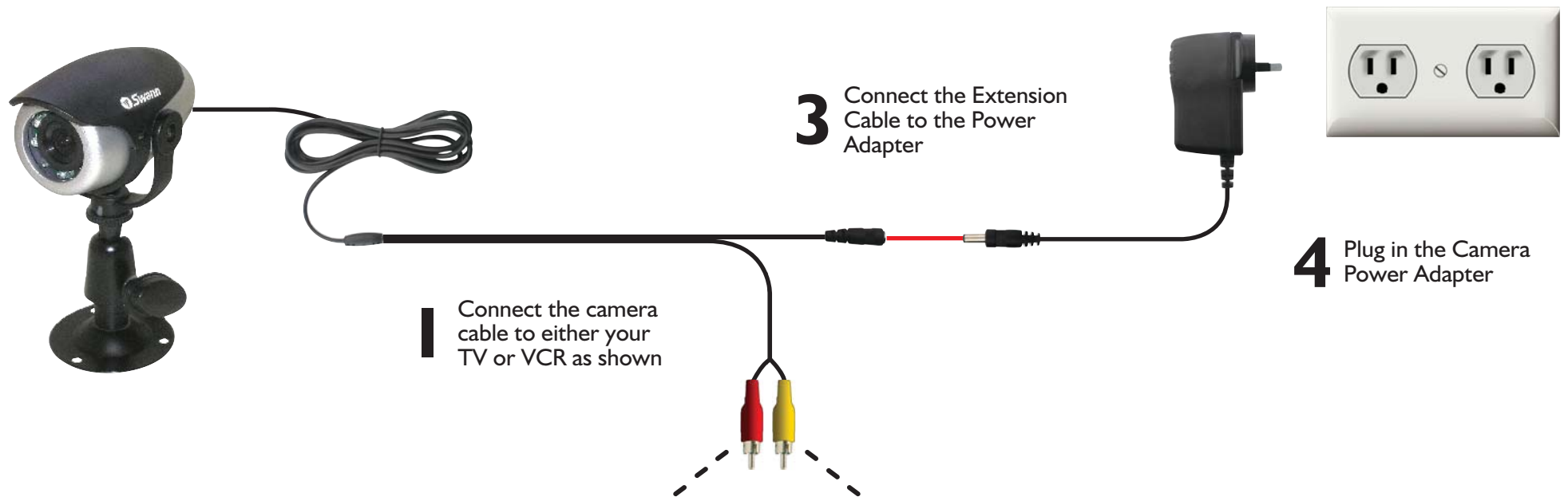Use only the included Power Supply and do not modify or cut wires

Package Contents

- PNP-50 Security Camera with Stand
- Extension Cable
- Power Adapter
- Operating Instructions
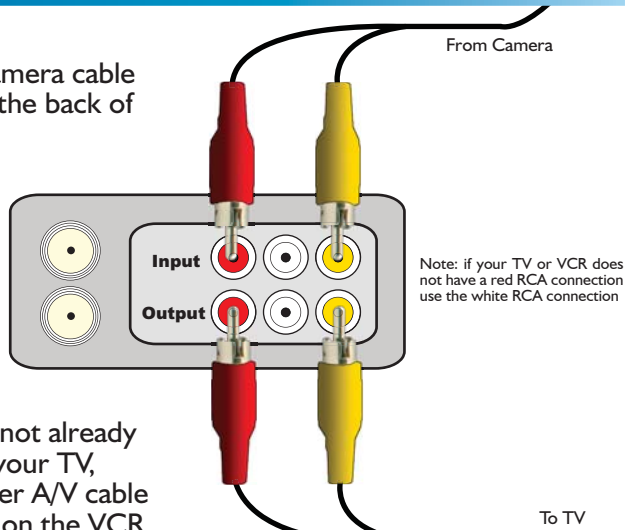- Security Stickers
- Mounting Hardware

3 Connect the Extension Cable to the Power Adapter

4 Plug in the Camera Power Adapter

i Connect the camera cable to either your TV or VCR as shown

2A. Connect to VCR (Optional)

i Connect the Camera cable to the Input on the back of the VCR

From Camera

Input

Output

Note: if your TV or VCR does not have a red RCA connection use the white RCA connection

ii If your VCR is not already connected to your TV, connect another A/V cable to the Output on the VCR

To TV

2B. Connecting to TV

From Camera

i Connect the A/V Cable to a TV Input

INPUT

From VCR (Optional)

Note: if your TV or VCR does not have a red RCA connection use the white RCA connection

4

5
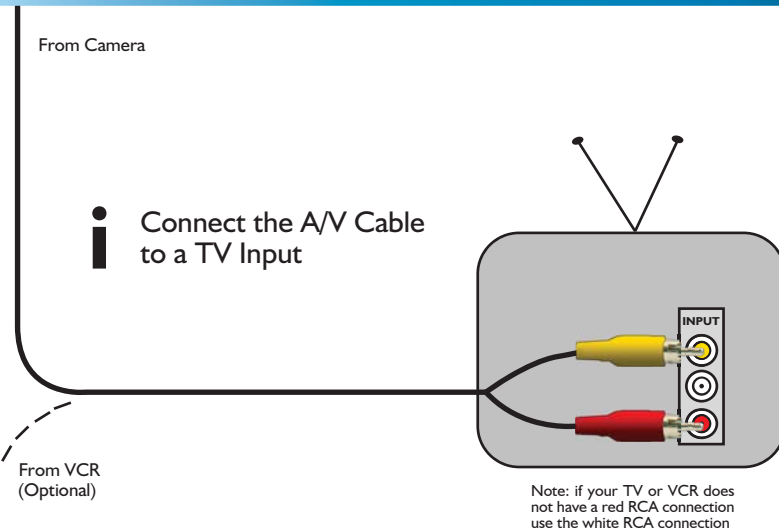
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