

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

17f

COBRA™

WIRELESS COLOR SECURITY CAMERA



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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⚠WARNING

**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

Symbology

	Double Insulated	V	Volts
	Canadian Standards Association	~	Alternating Current
	Underwriters Laboratories, Inc.	A	Amperes

Important Safety Information

⚠ WARNING

Read all safety warnings and instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

Installation Precautions

1. **Check federal, state and local surveillance laws before installing video and/or audio surveillance equipment.**
4. Wear ANSI-approved safety goggles during installation.
2. Install only according to these instructions. Improper installation can create hazards.
5. Keep installation area clean and well lit.
3. **Do not overreach when installing this product. Keep proper footing and balance at all times. This enables better control in unexpected situations.**
6. Keep children and bystanders out of the area during installation.
7. Do not install when tired or when under the influence of alcohol, drugs or medication.

Use Precautions

1. This product is not a toy. Do not allow children to play with or near this item.
2. Use as intended only.
3. Do not modify.
4. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Camera Safety Warnings

1. To prevent electric shock, do not attempt to disassemble Camera. There are no serviceable parts inside.
2. Use supplied Power Adapter only.
3. **The Power Adapter plug must match the outlet. Never modify the plug in any way.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
4. **Do not expose the Power Adapter to rain or wet conditions.** *Water entering the Power Adapter will increase the risk of electric shock.*
5. **Do not abuse the Power Adapter cord. Never use the cord for unplugging the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
6. Handle Camera with care. Camera could be damaged by improper handling or storage.
7. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
8. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Service

Have your Security Camera serviced by a qualified repair person using only identical replacement parts.



SAVE THESE INSTRUCTIONS.

Grounding

⚠ WARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the Power Adapter plug provided with the Camera. Do not use the Camera if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

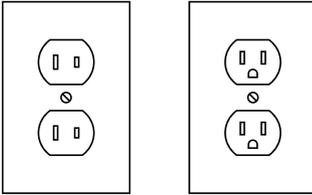


Figure A: Outlets for 2-Prong Plug

1. The included Power Adapter does not require grounding.
2. The Power Adapter may be used in either of the 120 volt outlets shown in the preceding illustration. (See Figure A.)

Extension Cords

Note: Do not use an extension cord with the Power Adapter.

Symbology

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.

VAC	Volts Alternating Current
A	Amperes

Specifications

Lens	3.6 mm
Effective Pixels	1280H x 720V
Night Vision Type	Infrared LEDs with Low Light Sensor
Image Type	Daylight: Color Infrared: Black & White
Infrared Wavelength	850nm
Wireless Range	150 ft (indoors) 450 ft (outdoors)
Ingress Protection Rating	IP65
Night Vision Range	65 ft
Power Rating	9VDC / 600 mA
Operating Temperature	14° - 122°F
Transmission Frequency	2.4 GHz

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Installation Instructions



Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠️ WARNING

TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK:
Unplug the Power Adapter from its electrical outlet and verify that installation surface has no hidden utility lines before drilling or driving screws.

Components

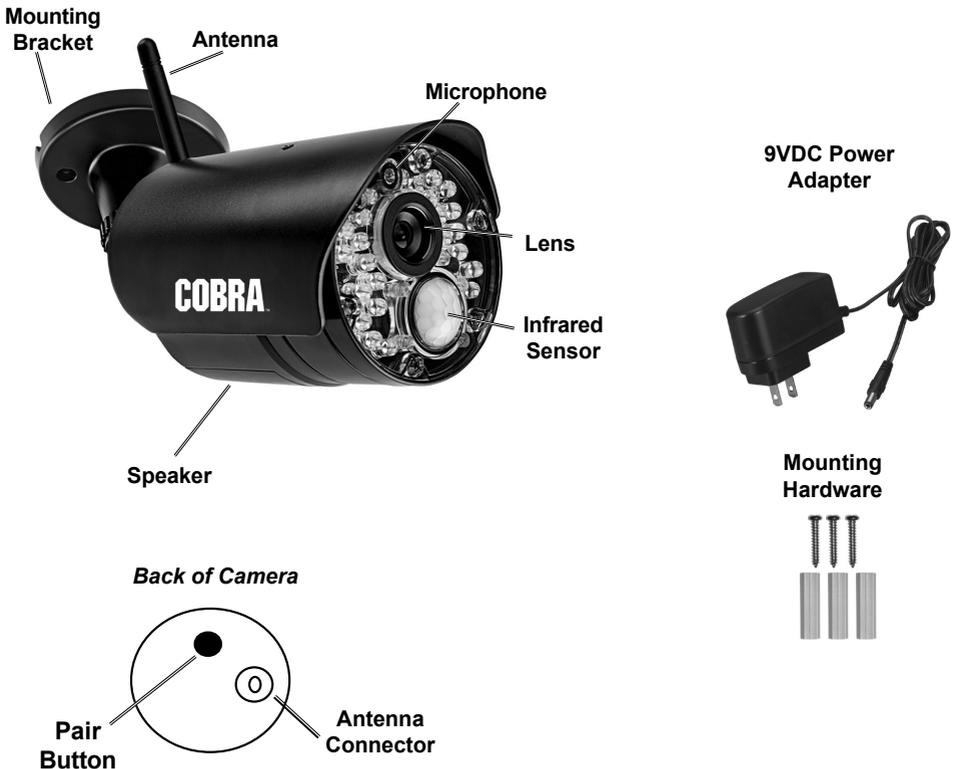


Figure B

Assembly

1. Thread the Antenna into the Antenna Connector on the back of the Camera.
2. Adjust the Antenna to its vertical position for best transmission.

Before Mounting

1. When planning mounting location and angle:
 - a. Verify that installation surface has no hidden utility lines before drilling or driving screws.
 - b. Take into consideration the length of the Camera and Power Adapter's cords. Route the cords so as to avoid a tripping hazard.
 - c. Do not install where there are thick walls or other obstructions between the Camera and Receiver.
 - d. Select a location high enough so that it is out of reach of children, but still covers the desired viewing area.
 - e. Do not install the Camera facing out of a window.
 - f. Make sure no strong light will shine directly into Camera Lens.
 - g. Make sure location will remain within the Camera's Operating Temperature.
2. Test the Camera's function in its intended location **before mounting**:
 - a. Connect the Power Adapter's cord to the Camera's Power cord.



Figure C

- b. Plug the Power Adapter into a 120VAC outlet.
 - c. Verify that there is an image on the Receiver.
3. When the mounting location has been chosen:
 - a. Unplug the Power Adapter's cord from the Camera.
 - b. Using the Base as a template, mark locations of mounting holes on mounting surface. **(See Figure D.)**

Mounting Holes



Figure D

Mounting to Solid Surface

1. Using a drill bit slightly smaller than the Screws, drill pilot holes into the marked locations.
2. Position Mounting Bracket so that mounting holes align with pilot holes.
3. Drive Screws through mounting holes in Base and into pilot holes until the Mounting Bracket is securely attached to the mounting surface.
4. Remove protective film from the Lens.
5. Loosen thumbscrews, adjust Camera as needed, then tighten thumbscrews. **(See Figure E.)**

Mounting to Hollow Surface

1. Using a drill bit slightly smaller than the Anchors, drill holes in the marked locations.
2. Tap Anchors into the holes until they are almost flush with mounting surface.
3. Position Mounting Bracket so that Mounting Holes align with anchor holes.
4. Drive Screws through mounting holes in Base and into anchor holes until the Mounting Bracket is securely attached to the mounting surface.
5. Remove protective film from the Lens.
6. Loosen thumbscrews, adjust Camera as needed, then tighten thumbscrews. **(See Figure E.)**



Figure E

Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

1. Refer to the receiver's owner's manual for operating the camera with the receiver.
2. The Camera will operate continuously while the Power Adapter is plugged in.
3. When not using the Camera, unplug the Power Adapter from its electrical outlet.

Inspection, Maintenance, and Cleaning



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠ WARNING

TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK:
Unplug the Power Adapter from its electrical outlet before inspection, maintenance, or cleaning.

1. **PERIODICALLY**, inspect the general condition of the Camera. Check for:
 - loose hardware,
 - damaged cord/electrical wiring,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
2. **PERIODICALLY**, wipe external surfaces of Camera with clean cloth.
3. Maintain area surrounding Camera, making sure obstacles don't interfere with visibility, such as overgrown bushes.

Troubleshooting

Problem	Possible Causes	Probable Solutions
Camera does not work.	1. No power at outlet. 2. Not paired with receiver.	1. Check power at outlet. 2. Pair with receiver. See receiver instruction manual.
Poor image quality.	Camera lens is dirty.	Clean Camera lens.
View undesirable.	Camera out of adjustment.	Loosen thumbscrews, adjust Camera as needed, then tighten thumbscrews.

Record Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

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Parts List and Diagram

Part	Description	Qty.
1	Camera	1
2	Power Adapter	1
3	Screw	3
4	Anchor	3



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

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