

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.

21j

COBRA™

1080P WEATHERPROOF COLOR WIRELESS NVR CAMERA WITH NIGHT VISION



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

58197






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.

⚠ WARNING

Copyright © 2021 by Harbor Freight Tools®. All rights reserved. No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

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.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

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 local surveillance laws before installation.
2. Install only according to these instructions. Improper installation can create hazards.
3. **Do not overreach when installing this product. Keep proper footing and balance at all times.** *This enables better control in unexpected situations.*
4. Wear ANSI-approved safety goggles during installation.
5. Keep installation area clean and well lit.
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 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 Camera Equipment 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. Never remove the grounding prong from the plug. 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.

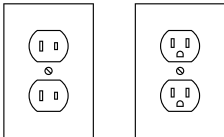


Figure A: Outlets for 2-Prong Plug

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
VAC	Volts Alternating Current

A	Amperes
----------	---------

Specifications

Camera Resolution	2MP / 1920 x 1080
Viewing Angle	87 degrees
Image Type	Daylight: Color Infrared: Black & White
Night Vision Distance	130 ft (Under ideal conditions. Objects may be partially or completely obscured depending on camera position.)
Ingress Protection Rating	IP66 - Protected from low pressure water jets
Operating Temperature	-22° to 122°F
Setup Temperature	14°F
Compatible NVR	Item 57959
Camera Power Rating	12VDC / 500 mA
Power Supply Input Rating	120 VAC / 60Hz
Cable Connector	Ø5.5mm DC plug
Extension Cable	45 ft

FCC STATEMENT - Intentional Emitter:

FCC ID - 2AJ3G-CH222M6UN

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



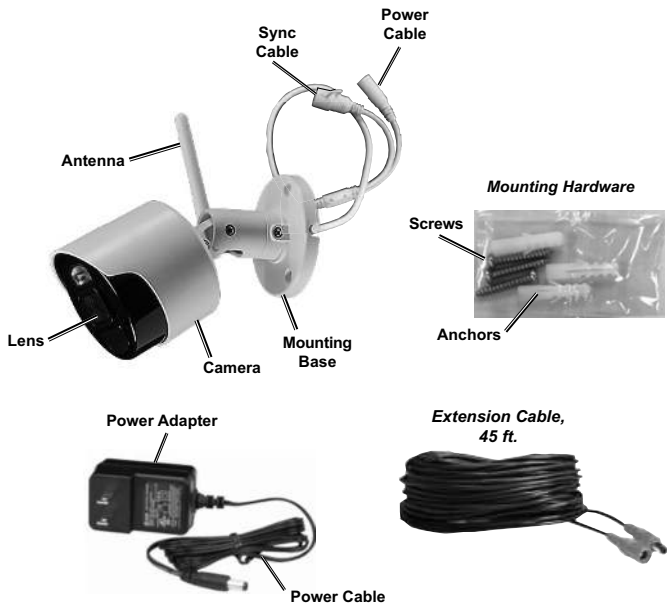
Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠️ 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



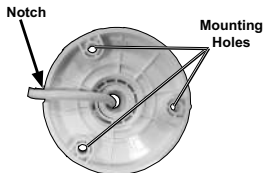
Before Mounting

1. Test that the Camera functions properly by connecting it to the Power Adapter and AC outlet.
2. After testing Camera, plan mounting location and angle:
 - a. Consider the distance of the AC outlet to the Power Adapter and Camera. Use the Extension Cable if necessary. Route the Cable so as to avoid a tripping hazard.
 - b. Choose a location high enough so that it is out of reach of children, but still covers the desired viewing area.
3. Using the Base as a template, mark locations of mounting holes on mounting surface.
4. Avoid mounting the Camera upside down. Make sure the Hood is above the Lens.
5. Make sure no strong light will shine directly into Camera Lens.

CAUTION! The Power Adapter MUST be plugged in indoors in a clean, dry location.

- c. **Verify that installation surface has no hidden utility lines before drilling or driving screws.**

Note: Route Cable through Notch on the Base to keep Base flush with mounting surface while marking holes.



Bottom of Camera's Mounting Base

Mounting

Note: Drill bits and Drill sold separately.

Solid Surface

1. Using a drill bit slightly smaller than the Screws, drill pilot holes into the marked locations.
2. Position Camera so that mounting holes align with pilot holes.
3. Drive Screws through mounting holes in Base and into pilot holes until the Camera is securely attached to the mounting surface.

Note: Route Cable through slot on Base to keep Base flush with mounting surface.

Hollow Surface

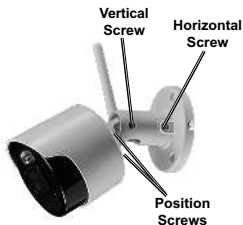
1. Using a drill bit the same diameter as the Anchors, drill holes in the marked locations.
2. Tap Anchors into the holes until they are almost flush with mounting surface.
3. Position Camera so that Mounting Holes align with anchor holes.
4. Drive Screws through mounting holes in Base and into anchor holes until the Camera is securely attached to the mounting surface.

Note: Route Cable through slot on Base to keep Base flush with mounting surface.

Camera Adjustment

1. Using a screwdriver (sold separately) loosen the Position Screws (one on each side) and rotate the Camera as needed so that the recorded image is properly orientated. Once aligned, tighten the screws securely.
2. Loosen the Vertical Screw and tilt the Camera up or down. Once the Camera is aligned, tighten screw securely.
3. Loosen the Horizontal Screw and pan the Camera left or right. Once the Camera is aligned, tighten screw securely.

Note: Only loosen Adjustment Screw slightly, do not remove it.



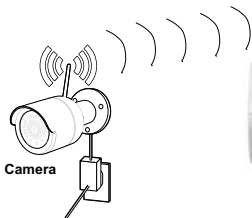
Cable Connections

CAUTION! Route the Power Adapter/Extension Cable so as to avoid a tripping hazard.

1. Connect Power Adapter to Camera.

2. Connect Power Adapter to 120 VAC outlet using the Extension Cable if necessary.

CAUTION! The Power Adapter **MUST** be plugged in indoors in a clean, dry location.



Power Adapter connected to 120 VAC outlet

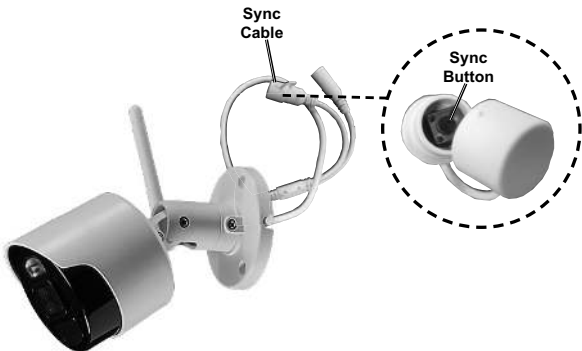


Operating Instruction



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 NVR instructions for operating the camera with the NVR.
2. To synchronize the Camera to the NVR, pull back the cover on the Sync Cable and press the Sync Button. When finished, close cover securely.



3. The Camera will operate continuously while the Power Adapter is plugged in.
4. 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. Cables not properly connected.	1. Check power at outlet. 2. Check that all cables are securely connected.
Poor image quality.	Camera lens is dirty.	Clean Camera lens.
View undesirable.	Camera out of adjustment.	Loosen Vertical/Horizontal Screws, tilt/pan Camera as needed, then tighten Screws.
Image is upside down/sideways.	Camera not mounted correctly.	Loosen Position Screws, rotate Camera as needed, then tighten Screws.

Parts List

Part	Description	Qty.
1	Camera with Antenna	1
2	Power Adapter	1
3	Extension Cable, 45 ft	1
4	Screw	3
5	Anchor	3

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Serial Number Here: _____

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

Note: Some parts are listed for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175434098 when ordering parts.

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.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

COBRA™

26677 Agoura Road • Calabasas, CA 91302 • 1-888-866-5797