

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.

22b

COBRA[®]

4K

INDOOR/OUTDOOR NVR

SECURITY CAMERA



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

57647





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.
 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.

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. **Do not expose the RJ45 to rain or wet conditions.** *Water entering the RJ45 will increase the risk of electric shock.*
3. **Do not abuse the RJ45. 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.*
4. Handle Camera with care. Camera could be damaged by improper handling or storage.
5. 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.
6. 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.

Symbology



Double Insulated

A

Amperes

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Specifications

Camera Resolution	8MP / 3840 x 2160
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
Cable Type	PoE (RJ45)
Cable Length	60 ft
Camera Power Rating	12VDC / 1A
Operating Temperature	-22° - 140°F
Compatible NVR	57648

FCC Statement for incidental RF emitters:

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.

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.

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 RJ45 from the NVR and verify installation surface has no hidden utility lines before drilling or driving screws.

Components



Before Mounting

1. Connect Camera to the NVR and make sure it functions properly.
2. Test Camera in intended location before mounting. When planning mounting location and angle:
 - a. Take into consideration the length of the Cable. 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.
 - c. To avoid mounting the Camera upside down, make sure the Hood is above the Lens.
 - d. Make sure no strong light will shine directly into Camera Lens.
3. Using the Mounting Base as a template, mark locations of mounting holes on mounting surface

Mounting

Note: Drill bits and Drill sold separately.

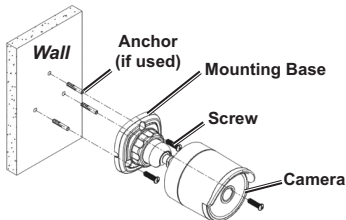
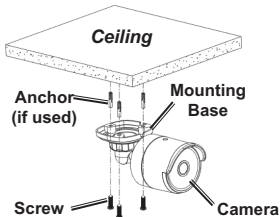
Note: Verify that installation surface has no hidden utility lines before drilling or driving screws.

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.

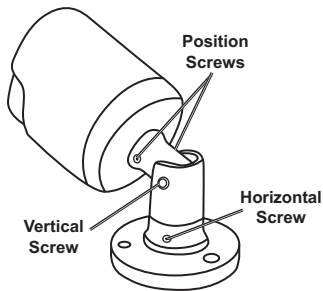
Hollow Surface

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.



Camera Adjustment

1. Using an Allen wrench (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.



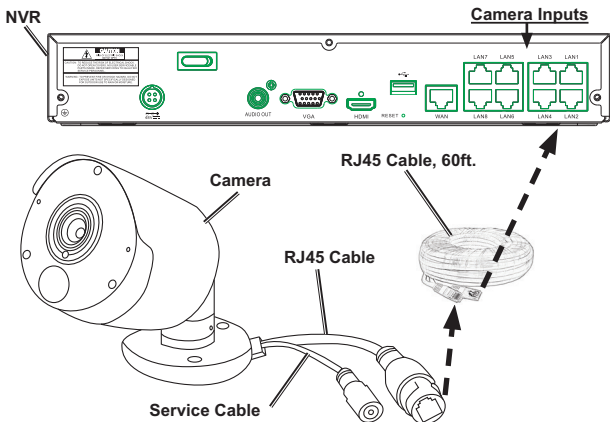
Cable Connection

Using the RJ45 Cable, connect the Camera to the NVR.

CAUTION! Route the cable so as to avoid a tripping hazard.

Note: The RJ45 cable carries power from the NVR to the Camera and video from the Camera to NVR.

Note: The Service Cable is for factory service only. Not for normal use.



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 NVR instructions for operating the Camera.
2. The Camera will operate continuously while the RJ45 cable is plugged in.
3. When not using the Camera, unplug the RJ45 Cable.

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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 Camera from the NVR 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 from NVR. 2. RJ45 cable not properly connected.	1. Check the NVR is powered on. 2. Check that the RJ45 cable is securely connected.
Poor image quality.	Camera lens is dirty.	Clean Camera lens.
View undesirable.	Camera out of adjustment.	Loosen adjustment screws and adjust Camera as needed.
Image is upside down/sideways.	Camera not mounted correctly.	Loosen adjustment screws and adjust Camera as needed.

Parts List

Part	Description	Qty.
1	Camera	1
2	RJ45 Cable, 60 ft	1
3	Screw	3
4	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 and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175419309 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.

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