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### Harbor Freight 63890

# Cobra 8 Channel Surveillance DVR System User Manual

Model: 63890

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Cobra 8 Channel Surveillance DVR System. Designed for both indoor and outdoor use, this system offers robust security monitoring with advanced features.

The system allows you to capture surveillance video from up to eight cameras, with remote viewing and control capabilities via your smartphone or tablet. It comes equipped with a pre-installed 1TB hard drive for extensive recording and four high-definition cameras with infrared night vision.

## PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- (1) 8 Channel H.264 DVR
- (1) 1TB Hard Drive (pre-installed)
- (4) 3.6mm Long Range Indoor/Outdoor HD Color Cameras with Infrared Night Vision
- (4) 60 ft. Camera Cables
- (1) 4-Way Splitter Power Cable
- (1) 12V/2A Power Adapter for DVR
- (1) 12V/2A Power Adapter for Cameras
- (1) Mouse with USB Cable
- (1) Remote Control
- (2) AAA Batteries (for remote control)



Image: The Cobra 8 Channel DVR unit and four included HD surveillance cameras.



Image: Included accessories: power adapters, 60 ft. camera cables, and USB mouse.



Image: The remote control for easy system setup and navigation.

## SETUP

Follow these steps to set up your Cobra surveillance system:

- 1. Position the DVR:** Place the DVR unit in a secure, well-ventilated area near your monitor and power outlet.
- 2. Connect Cameras:** Connect each camera to the DVR using the provided 60 ft. camera cables. The cables have BNC connectors for video and power connectors.

3. **Power the Cameras:** Use the 4-way splitter power cable and the 12V/2A power adapter for cameras to power all four cameras.
4. **Connect Monitor:** Connect a monitor to the DVR using either the HDMI or VGA port.
5. **Connect Mouse:** Plug the USB mouse into one of the USB ports on the DVR for easy navigation.
6. **Connect DVR Power:** Connect the 12V/2A power adapter for the DVR to the DVR unit and then to a power outlet.
7. **Network Connection (Optional):** For remote viewing, connect an Ethernet cable from the DVR's LAN port to your network router.



Image: Rear panel of the DVR showing video input, audio input/output, HDMI, VGA, LAN, and power ports.

The 1TB hard drive comes pre-installed and ready for recording, eliminating the need for manual installation.

## OPERATING THE SYSTEM

Your Cobra surveillance system offers flexible recording and viewing options:

- **Local Control:** Use the included mouse or remote control to navigate the DVR's on-screen menu for live viewing, playback, and system settings.
- **Recording Options:**
  - **Motion Activated:** Records only when motion is detected by the cameras, saving hard drive space.
  - **Manual Activation:** Start and stop recording manually as needed.
  - **Scheduled Programmable Recording:** Set specific times and days for continuous recording.
- **Playback:** Easily review recorded footage directly from the DVR.
- **Remote Monitoring:** Access live feeds and recorded video from your smartphone or tablet. This requires the DVR to be connected to your network and the appropriate mobile application installed on your device.



Image: A smartphone displaying the mobile monitoring application interface, showing multiple camera views.

The cameras provide a wide viewing angle and infrared night vision up to 100 ft., ensuring clear footage even in low-light conditions.

## MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your surveillance system:

- **Camera Lens Cleaning:** Periodically clean camera lenses with a soft, damp cloth to remove dust and smudges that

can impair image quality.

- **Cable Inspection:** Check all cables (power, video, network) for any signs of wear, damage, or loose connections.
- **DVR Ventilation:** Ensure the DVR unit has adequate ventilation to prevent overheating. Keep vents clear of obstructions.
- **Hard Drive Health:** While the 1TB hard drive is robust, it's good practice to periodically check its status through the DVR's system settings.
- **Software Updates:** Check the manufacturer's website for any available firmware or software updates for the DVR to ensure optimal performance and security.

## TROUBLESHOOTING

If you encounter issues with your system, refer to the following common troubleshooting tips:

Problem	Possible Solution
No video display on monitor.	Ensure the DVR is powered on and the power indicator light is active. Check the HDMI/VGA cable connection between the DVR and the monitor. Verify the monitor is powered on and set to the correct input source.
No image from a specific camera.	Check the camera's power connection and the video cable connection to the DVR. Ensure the camera's power adapter is functioning. Test the camera with a different cable or DVR port if possible.
Remote viewing not working.	Ensure the DVR is connected to your network via an Ethernet cable. Verify your network connection is active. Check router settings for port forwarding if necessary (refer to your router's manual). Ensure the mobile application is correctly configured and updated.
Poor image quality.	Clean the camera lens. Check for obstructions in the camera's field of view. Ensure cables are securely connected and not damaged. Adjust camera position or lighting if possible.

## SPECIFICATIONS

Feature	Detail
Brand	Harbor Freight (Cobra)
Model Number	63890
Number of Channels	8
Included Cameras	4 HD Indoor/Outdoor Color Cameras with Infrared Night Vision
Video Capture Resolution	1080p
Memory Storage Capacity	1 TB (pre-installed HDD)
Connectivity Technology	Wired

Feature	Detail
Special Feature	Night Vision (up to 100 ft.)
Application	Indoor/Outdoor
Power Source	Corded Electric
Compatible Devices	Cameras, Smartphones, Tablets
Temperature Range	14°F - 122°F (-10°C - 50°C)
DVR Power Adapter	12V/2A
Camera Power Adapter	12V/2A
Dimensions (Parcel)	44.2 x 28.7 x 19.81 cm; 5.49 kg

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Harbor Freight Tools website. Keep your purchase receipt as proof of purchase for any warranty claims. For further assistance, you may contact Harbor Freight Tools customer service directly.

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