Loocam LC8P8B-6W42S-186D

Loocam 5MP PoE Security Camera System User Manual

Model: LC8P8B-6W42S-186D

Brand: Loocam

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Loocam 5MP PoE Security Camera System. This system is designed for reliable 24/7 surveillance with advanced features such as full-color night vision, AI human and vehicle detection, and two-way audio communication.

Figure 1: Loocam 5MP PoE Security Camera System components.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x 8-Channel 8MP NVR with 2TB Hard Drive Pre-installed
- 4x 5MP PoE IP Cameras
- 4x 60ft Ethernet Cables

- 1x 1m Ethernet Cable
- 1x NVR Power Supply
- 1x USB Mouse
- 1x HDMI Cable
- 4x Mounting Screws
- 4x Mounting Templates
- 1x Quick Start Guide

Figure 2: Contents included in the Loocam 5MP PoE Security Camera System package.

3. SYSTEM SETUP

Follow these steps to set up your Loocam PoE Security Camera System:

1. **Prepare Equipment:** Ensure you have a monitor, a router with network connection, and a power strip available.

2. **Connect NVR:** Connect the NVR to your monitor using the HDMI cable. Connect the USB mouse to the NVR. Connect the NVR to your router using an Ethernet cable. Finally, connect the NVR power supply and turn on the NVR.

3. **Connect Cameras:** Connect each 5MP PoE IP camera to an available PoE port on the NVR using the provided Ethernet cables. The NVR will power the cameras and transmit video data.

4. **Initial Boot:** Wait for the NVR to boot up and display video feeds from the connected cameras on your monitor.

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Video 1: Unboxing and Installation Guide for Loocam PoE Security Camera System. This video demonstrates the physical setup process.

4. OPERATING INSTRUCTIONS

4.1 Video Quality and Night Vision

The system provides sharp 5MP HD video (2880x1620 resolution) for clear monitoring. It features advanced full-color night vision, ensuring vivid and detailed images even in low-light conditions, providing 24/7 surveillance.

5MP HD
More detail, sharper images

Figure 3: Visual comparison illustrating the enhanced detail of 5MP HD resolution over 1080p.

Figure 4: Demonstration of true full-color night vision providing clearer, more vibrant images at night compared to standard night vision.

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Video 2: Loocam 5MP PoE Camera System showcasing True Full Color Night Vision capabilities.

4.2 Smart AI Detection and Alerts

The system utilizes AI to accurately identify people and vehicles, reducing false alarms. When an event is detected, you will receive instant app notifications.
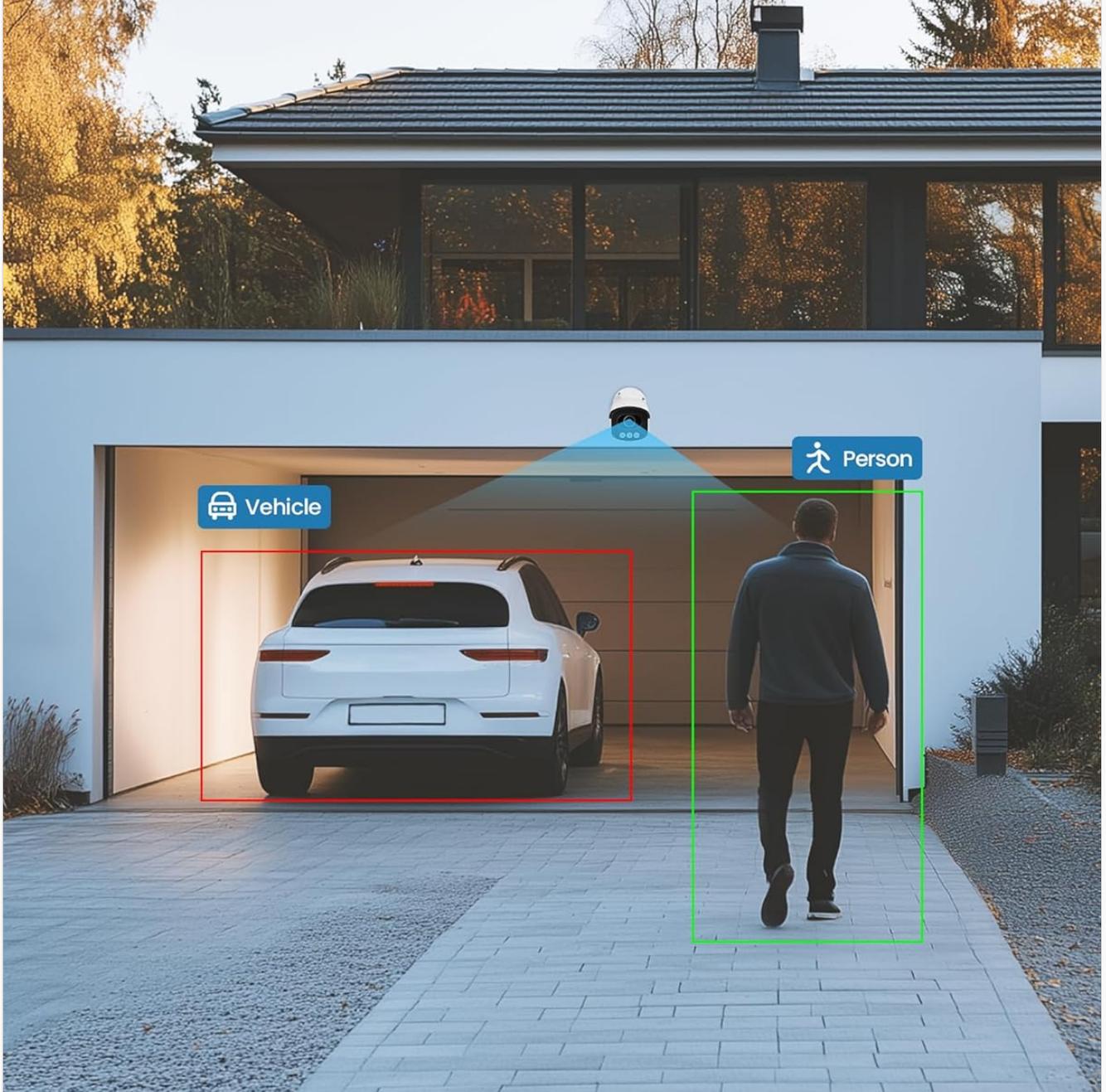
Figure 5: Illustrates the AI system detecting and outlining a person and a vehicle.

4.3 Spotlight and Siren Alarm

The cameras are equipped with a spotlight and siren alarm feature. These can be activated automatically upon detection or manually to deter intruders.
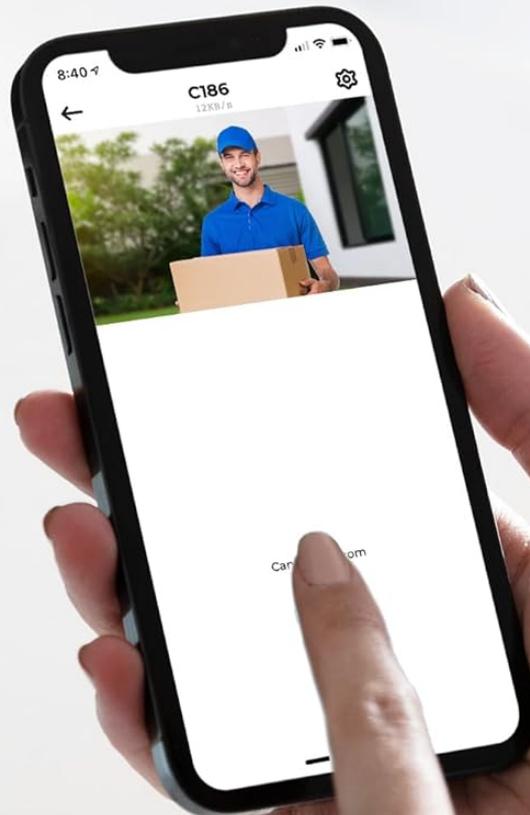
Figure 6: A security camera activating its spotlight and siren, with a corresponding notification on a smartphone.

4.4 Two-Way Audio

Communicate directly through the camera using the built-in two-way audio feature. This allows you to speak to visitors or warn off unwanted individuals from your smartphone.

Figure 7: A user interacting via two-way audio through the Loocam app on a smartphone.

4.5 Remote Viewing and Playback

Access live feeds and recorded video anytime, anywhere, using the Loocam app on your smartphone, tablet, or computer. The system supports 24/7 recording to the pre-installed 2TB HDD, which is expandable up to 8TB.

Figure 8: The Loocam app interface displaying continuous recording and smart playback options.

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Video 3: Instructions on how to view your Loocam PoE Security Camera System via the mobile application.

4.6 Commercial Features: Zone Monitoring & Traffic Analysis

For business applications, the system offers advanced features such as setting up virtual boundaries for zone alerts and utilizing people counting functionality to analyze foot traffic patterns.
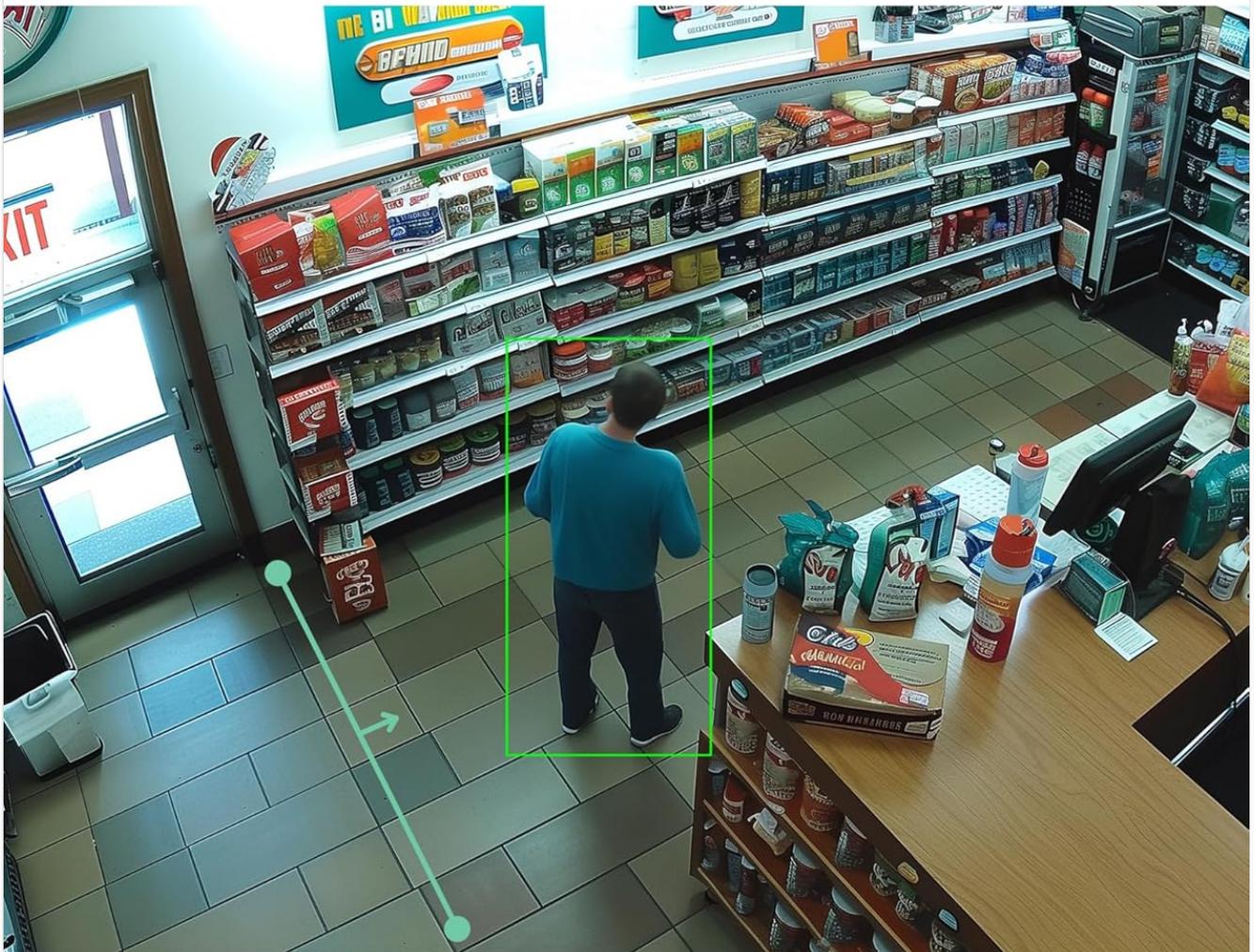
Figure 9: Example of AI-driven passenger flow statistics, including a graph of statistical data.

5. MAINTENANCE

- **Regular Cleaning:** Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the Loocam official website or app for available firmware updates to ensure optimal performance and security.
- **Cable Inspection:** Regularly inspect all cables for any signs of wear or damage, especially for outdoor installations.
- **Hard Drive Management:** The 2TB HDD provides ample storage. The system supports automatic overwrite

when the disk is full. Consider backing up important footage periodically.

6. TROUBLESHOOTING

- **No Video Display:**
    - Ensure the NVR is powered on and connected to the monitor.
    - Check HDMI/VGA cable connections.
    - Verify cameras are properly connected to PoE ports and NVR is powered.

- **Network Connection Issues:**
    - Confirm the NVR is connected to the router via Ethernet.
    - Check router status and internet connectivity.
    - Restart the NVR and router.

- **Remote Viewing Not Working:**
    - Ensure the NVR has an active internet connection.
    - Verify the Loocam app is updated to the latest version.
    - Check app settings for correct device addition and network configuration.

- **False Alarms:**
    - Adjust AI detection sensitivity settings in the NVR or app.
    - Define specific detection zones to exclude irrelevant areas.

7. SPECIFICATIONS

Feature	Detail
Brand	Loocam
Model Number	LC8P8B-6W42S-186D
Connectivity Technology	Wired (PoE)
Video Capture Resolution	5MP (1944p)
Special Features	App Control, Full-Color Night Vision, Siren Alarm, Two-Way Audio, Weatherproof (IP66), AI Human/Vehicle Detection
Number of Channels	8
Memory Storage Capacity	2 TB HDD (Pre-installed), Expandable up to 8 TB
Color	White
Power Source	Corded Electric
Item Dimensions (L x W x H)	17.2 x 12 x 7.8 inches

Recommended Uses	Outdoor, Indoor, Home, Business, Human Detection, Automatic Overwrite, Audio Recording, IP66 Weatherproof, Smart Playback, Video Recording
Compatible Devices	Laptops, Personal Computers, Smartphones, TV, Tablets
Frame Rate	15, 24, 30 FPS
Recording Mode	Event, Schedule
Hardware Interface	Ethernet
Lens Type	Fixed
Video Input	BNC, RJ45
Smart Home Compatibility	Smart Home Compatible

8. WARRANTY AND SUPPORT

Loocam products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please refer to the contact information provided in your Quick Start Guide or visit the official Loocam website. Keep your purchase receipt for warranty claims.