

## Lemnoi S72

# Lemnoi S72 4G LTE Solar Powered Trail Camera User Manual

Model: S72

## 1. INTRODUCTION

The Lemnoi S72 4G LTE Cellular Trail Camera is designed for outdoor surveillance, offering 2K 360° live view capabilities without requiring Wi-Fi. Powered by a solar panel and a high-capacity battery, it provides continuous monitoring for various outdoor environments. This manual provides essential information for setup, operation, and maintenance of your camera.

## 2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- Lemnoi S72 4G LTE Cellular Trail Camera
- Solar Panel (integrated)
- Built-in SIM Card (pre-installed)
- Micro SD Card (32GB included)
- Charging Cable
- Mounting Accessories (strap, screws, wall mount)



Figure 2.1: Package Contents. Includes the camera, solar panel, charging cable, SIM card, SD card, and mounting hardware.

## 3. SETUP GUIDE

### 3.1 Initial Charging

Before first use, fully charge the camera's internal battery using the provided charging cable. The solar panel will maintain the charge during operation, but an initial full charge is recommended.

### 3.2 SIM Card and SD Card Installation

The camera comes with a pre-installed SIM card and an included 32GB Micro SD card. Ensure both are properly seated in their respective slots. The SD card slot supports cards up to 128GB for extended storage.

### 3.3 App Download and Account Creation

Download the **UBox** app from your smartphone's app store (available for iOS and Android). Follow the in-app instructions to create an account and add your camera. This app is essential for remote control, live viewing, and managing settings.

### 3.4 Mounting the Camera

Choose a location with good 4G LTE signal and direct sunlight exposure for the solar panel. Use the provided strap to secure the camera to a tree or the wall mount for other surfaces. Adjust the solar panel for optimal sun exposure throughout the day.



LTE  
Cellular



4G

Suitable for any area with 4G network coverage



Figure 3.1: Camera mounted on a tree, demonstrating outdoor installation in an area with 4G LTE coverage.

# 365 Days Uninterrupted Power

With a 6W solar panel and a built-in 10400mAh battery, it provides power assurance for 365 days.



Figure 3.2: Solar panel placement for continuous power, ideally positioned for maximum sunlight.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

Locate the power button on the camera. Press and hold for a few seconds to power on or off. The camera will indicate its status via LED lights.

### 4.2 Live View and Remote Control

Open the UBox app on your smartphone. Select your camera from the device list to access the live video feed. From the app, you can:

- View real-time footage from anywhere.
- Control 355° pan and 100° tilt for a comprehensive 360° panoramic view.
- Utilize 4x digital zoom to focus on specific areas.
- Engage two-way audio communication to listen or speak through the camera.

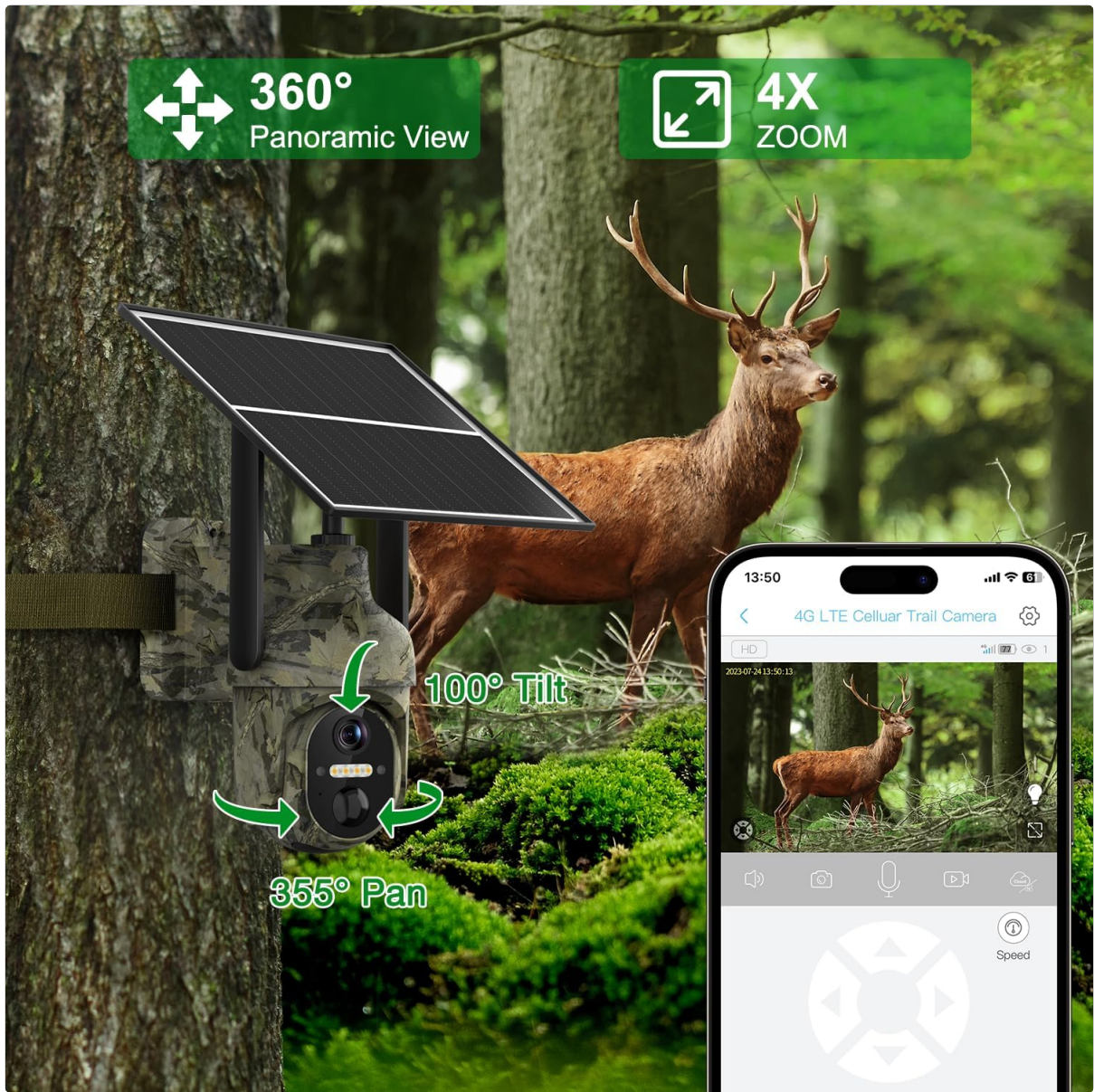


Figure 4.1: Remote control and live viewing via the UBox app, showing pan/tilt/zoom functionality.

### 4.3 Motion Detection and Alerts

The camera features a rapid 0.3-second trigger time for motion detection. When motion is detected, you will receive instant alerts directly on your mobile device. Recordings are stored on the included Micro SD card and can be optionally backed up to cloud storage (subscription may be required).



Figure 4.2: Instant motion alerts and detection, capturing activity quickly.

#### 4.4 Night Vision Modes

The camera offers clear 2K HD resolution with two distinct night vision modes for optimal visibility in low-light conditions:

- **Infrared Mode:** Provides crisp black and white footage in complete darkness, ideal for discreet monitoring.
- **Spotlight Mode:** Activates built-in spotlights to deliver vibrant full-color night vision, enhancing detail and identification.

# 2K Super HD Night Vision

Get ultra-high-definition views both during the day and at night



Infrared Mode



Spotlight Mode

Figure 4.3: Night vision capabilities, illustrating both infrared (black and white) and color spotlight modes.

## 5. KEY FEATURES

- **4G LTE Connectivity:** Operates independently without Wi-Fi, utilizing a built-in SIM card for reliable data transmission in remote areas.
- **Solar Powered:** Features an integrated 6W solar panel and a high-capacity 10400mAh battery, ensuring continuous power and extended operation.
- **2K HD Video:** Captures stunningly clear, high-resolution video footage for detailed monitoring.
- **Color Night Vision:** Provides full-color video even in complete darkness, enhancing visibility and identification.
- **360° Panoramic View:** Offers extensive coverage with 355° pan and 100° tilt capabilities, controllable via the app.
- **IP66 Weatherproof:** Designed to withstand harsh outdoor conditions, including rain, snow, extreme temperatures, and dust.
- **Two-Way Audio:** Allows for remote communication, enabling you to listen to the environment or speak through the camera.



Figure 5.1: IP66 Weatherproof design ensures reliable operation in diverse environmental conditions.

## 6. APPLICATIONS

The Lemnoi S72 is suitable for a wide range of outdoor monitoring needs due to its robust design and advanced features:

- Wildlife observation (as a game camera)
- Farm and ranch monitoring for livestock and property
- Construction site security and progress monitoring
- Remote property surveillance where Wi-Fi is unavailable
- Garden and home perimeter security

Your browser does not support the video tag.

Video 6.1: Demonstrates various outdoor applications for the Lemnoi 4G LTE Cellular Trail Camera, including wildlife, livestock, construction, and home monitoring.

## 7. DATA PLANS

The camera includes a pre-installed SIM card with 7 days of unlimited data to get you started. After this initial period, a subscription is required through the UBox app to continue cellular data services. Please note that each camera requires its own dedicated data plan subscription.



Figure 7.1: Cellular data plan options and supported carriers for continuous connectivity.

## 8. MAINTENANCE

- **Solar Panel:** Regularly clean the solar panel surface to ensure optimal charging efficiency. Dust, leaves, or snow can reduce its performance.
- **Lens:** Keep the camera lens clean and free from dirt, smudges, or obstructions for clear image and video quality. Use a soft, clean cloth.
- **Firmware:** Check the UBox app periodically for available firmware updates. Installing updates ensures optimal performance, new features, and security enhancements.
- **Battery:** While solar-powered, ensure the camera receives adequate sunlight. If the camera is stored for long periods, fully charge the battery before redeployment to maximize its lifespan.

## 9. TROUBLESHOOTING

### Camera not powering on:

Ensure the internal battery is fully charged. Check the power button for proper engagement. If using an external power source, verify its connection.

### No live view or alerts:

Verify 4G LTE signal strength in the camera's location via the app. Check your data plan subscription status in the UBox app. Ensure the camera is properly added and online in your app account.

### Poor image/video quality:

Clean the camera lens thoroughly. Ensure there are no physical obstructions in front of the camera. Check app settings for selected video resolution and night vision mode.

**Solar panel not charging:**

Ensure the solar panel is positioned to receive direct and unobstructed sunlight for several hours daily. Clean any dirt or debris from the panel surface. Verify the connection cable between the solar panel and the camera is secure.

## 10. SPECIFICATIONS

Feature	Detail
Model Number	S72
Connectivity	4G LTE Cellular (No Wi-Fi required)
Power Source	Solar Powered, Battery Powered (1 C battery included, 10400mAh capacity)
Video Resolution	2K HD
Night Vision	Color Night Vision, Infrared Mode
Pan/Tilt	355° Pan, 100° Tilt
Digital Zoom	4x
Motion Detection	0.3-second trigger time
Storage	Micro SD Card (32GB included, supports up to 128GB), Cloud Storage
Weatherproof Rating	IP66
App Compatibility	UBox APP (Smartphone)
Dimensions (L x W x H)	10.01 x 5 x 4.98 inches
Item Weight	2.42 pounds

## 11. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or customer support, please refer to the contact details provided with your product packaging. You may also visit the official Lemnoi website for FAQs and further support resources. Please retain your purchase receipt for any warranty claims.

