

[Manuals.plus](#) /

› [PNI](#) /

› PNI Hunting 751 PRO 16MP 4G LTE GPS Night Vision Trail Camera Instruction Manual

PNI PNI-HU751

PNI Hunting 751 PRO Trail Camera Instruction Manual

Model: PNI-HU751

1. INTRODUCTION

Thank you for choosing the PNI Hunting 751 PRO Trail Camera. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read it thoroughly before use to ensure optimal performance and longevity of the camera.

The PNI Hunting 751 PRO is a high-resolution 16-megapixel trail camera designed for outdoor surveillance, wildlife monitoring, and property security. It features 4G LTE connectivity for remote access, integrated GPS for precise location tracking, and invisible 940nm infrared LEDs for discreet night vision up to 25 meters. Its robust IP66-rated waterproof and dustproof design ensures reliable operation in various environmental conditions.



Figure 1.1: Front view of the PNI Hunting 751 PRO Trail Camera with its antenna.

2. PRODUCT OVERVIEW

2.1 Key Features

- **High-Resolution Imaging:** Captures 16-megapixel photos and 2560 x 1440 pixel videos.
- **4G LTE Connectivity:** Enables seamless remote access and instant photo transmission via the dedicated UCon app.
- **Integrated GPS:** Provides accurate location tracking for the camera.
- **Invisible Night Vision:** Equipped with 6 x 940nm infrared LEDs for discreet night surveillance up to 25 meters without disturbing wildlife.
- **Durable Design:** IP66 rated for water and dust resistance, suitable for harsh outdoor conditions.
- **Motion Sensor:** Features a PIR sensor with a 95-degree detection angle for efficient triggering.

- **Long Battery Life:** Powered by 18650 3.7V 7800mAh (3x 2600mAh) batteries.
- **Solar Panel Compatibility:** Includes a 4W solar panel for extended operation.
- **Remote Configuration:** Manage settings and view media remotely via the UCon mobile application.

2.2 Package Contents

Verify that all items are present in the package:

- PNI Hunting 751 PRO Trail Camera
- USB Type-C Cable
- GPRS Antenna
- Mounting Strap
- 18650 Batteries (3 units)
- 4G SIM Card
- 4W Solar Panel
- Mounting Bracket for Solar Panel
- Screwdriver and Tweezers (for SIM/SD card installation)



Figure 2.1: Complete package contents of the PNI Hunting 751 PRO Trail Camera.

3. SETUP

3.1 Battery Installation

1. Open the camera housing latches and gently open the front cover.
2. Locate the battery compartment.
3. Insert the three 18650 batteries, ensuring correct polarity (+/-).



Figure 3.1: Battery installation in the PNI Hunting 751 PRO.

3.2 SIM Card and Micro SD Card Installation

1. With the camera still open, locate the SIM card slot and Micro SD card slot.
2. Insert the 4G SIM card into its designated slot. Ensure it is correctly oriented.
3. Insert a Micro SD card (not included, up to 128GB recommended) into its slot.

3.3 Antenna and Solar Panel Connection

1. Screw the GPRS antenna onto the antenna port on the side of the camera.
2. Connect the 4W solar panel to the camera's power input port. Mount the solar panel in a location that receives ample sunlight.



Figure 3.2: PNI Hunting 751 PRO with solar panel connected.

3.4 Power Adapter Requirements

If using an external power adapter (not included), ensure it meets the following specifications:

- Power Output: 2.5 - 7.5 Watts

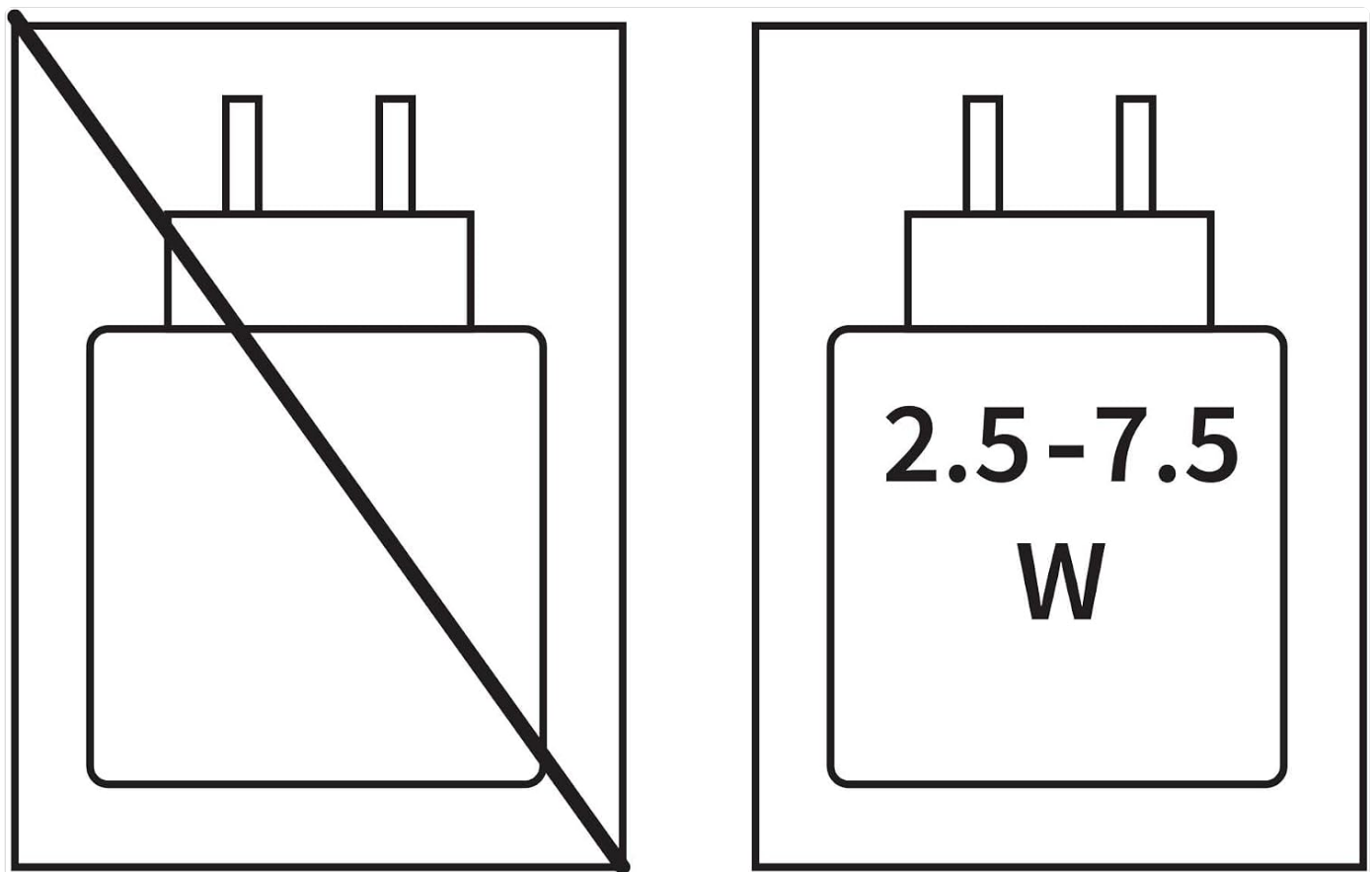


Figure 3.3: Recommended power adapter wattage (2.5-7.5W).

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the camera, slide the power switch to the 'ON' position.
- To power off, slide the switch to the 'OFF' position.

4.2 UCon Mobile Application

The PNI Hunting 751 PRO camera is primarily controlled and configured via the dedicated UCon mobile application. Download the UCon app from your smartphone's app store.

1. Install the UCon app on your smartphone.
2. Register an account and log in.
3. Add your camera to the app by following the on-screen instructions, typically involving scanning a QR code on the camera or manually entering its ID.
4. Once connected, you can remotely configure camera settings, view live feed, receive instant photo/video alerts, and manage captured media.

4.3 Operating Modes

The camera supports various operating modes, configurable through the UCon app:

- **Photo Mode:** Captures still images when triggered by motion.
- **Video Mode:** Records video clips when triggered by motion.
- **Photo + Video Mode:** Captures a still image followed by a video clip when triggered.

- **Time-Lapse Mode:** Captures images at set intervals regardless of motion.

4.4 Mounting the Camera

Use the provided mounting strap to secure the camera to a tree or pole. Ensure the camera is stable and positioned to capture the desired area. The camouflage design helps the camera blend into its environment.

5. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens and PIR sensor window with a soft, dry cloth to ensure clear images and proper motion detection. Do not use abrasive cleaners.
- **Battery Check:** Monitor battery levels via the UCon app. Replace or recharge batteries as needed. Ensure the solar panel is clean and unobstructed for efficient charging.
- **Firmware Updates:** Check the UCon app or PNI's official website for any available firmware updates to ensure optimal performance and access to new features.
- **Storage:** When not in use for extended periods, remove batteries and store the camera in a cool, dry place.

6. TROUBLESHOOTING

If you encounter issues with your PNI Hunting 751 PRO camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera not powering on	Low or dead batteries; incorrect battery installation; power switch off.	Check battery charge and polarity; ensure power switch is ON.
No images/videos captured	Micro SD card full or not inserted; incorrect settings; PIR sensor obstructed.	Insert/format Micro SD card; check camera settings via UCon app; clear PIR sensor.
No 4G connectivity	SIM card not inserted or activated; poor signal; incorrect APN settings.	Ensure SIM is active and correctly inserted; check signal strength; configure APN settings via UCon app.
Poor night vision quality	IR LEDs obstructed; camera too far from subject; low battery.	Clear obstructions; reposition camera closer; ensure sufficient battery power.
UCon app connection issues	Camera offline; incorrect camera ID; app version outdated.	Verify camera has 4G signal; re-add camera to app; update UCon app.

If the problem persists, please contact PNI customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Image Sensor	1/2.7 GC4653 CMOS

Feature	Specification
Image Resolution	4M / 8M / 16M
Video Resolution	2560 x 1440 pixels (H.265 format)
Lens	3.6 mm
Viewing Angle	85 degrees
Night Vision LEDs	6 x 940nm Invisible IR LEDs
Night Vision Range	Up to 25 meters
PIR Sensor Angle	95 degrees
Connectivity	4G LTE (TD-LTE / LTE FDD)
Remote Control	UCon App
Storage	Micro SD card slot (up to 128GB)
Power Supply	3 x 18650 3.7V 2600mAh batteries (7800mAh total)
Solar Panel	4W (included)
Standby Consumption	3 mA
Operating Temperature	-26°C to +80°C
Storage Temperature	-30°C to +70°C
Dimensions	75 x 45 x 120 mm
Weight	447 grams
Waterproof Rating	IP66

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official PNI website. For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact PNI customer service through their official channels.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question