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## Seek Thermal LQ-AAA

# Seek Thermal CompactPRO High-Resolution Thermal Imaging Camera for iOS

Model: LQ-AAA

Brand: Seek Thermal

## 1. INTRODUCTION

Welcome to your Seek Thermal CompactPRO. This device transforms your iOS smartphone into a powerful thermal imaging tool, enabling you to visualize heat energy. It is designed for various applications, including detecting energy loss, identifying electrical and mechanical failures, and locating water damage.

This manual provides essential information for the safe and effective use of your CompactPRO.



Image 1.1: The Seek Thermal CompactPRO thermal imaging camera.

## 2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures or direct sunlight for prolonged periods.
- While the device is waterproof (IP65 rated), avoid submerging it unnecessarily. Ensure the Lightning connector is dry before connecting to your iOS device.
- Do not attempt to disassemble or modify the CompactPRO. This will void the warranty and may cause damage.
- Keep the device out of reach of children.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Seek Thermal CompactPRO Thermal Imaging Camera
- Protective Carrying Case

## 4. SETUP

## 4.1. Download the Seek Thermal App

1. Search for "Seek Thermal" in the Apple App Store on your iOS device.
2. Download and install the official application.

## 4.2. Connect the CompactPRO

1. Ensure your iOS device is unlocked.
2. Carefully plug the CompactPRO into your iOS device's Lightning port. The device draws power directly from your smartphone and does not require separate batteries or charging.

## 4.3. Initial App Launch

1. The Seek Thermal app should launch automatically or prompt you to open it.
2. Follow any on-screen instructions for initial setup or calibration within the app.



Image 4.1: Seek Thermal CompactPRO connected to an iOS device.

## 5. OPERATING INSTRUCTIONS

### 5.1. App Interface Overview

Familiarize yourself with the main screen of the Seek Thermal app, including the live thermal view, temperature display, color palette options, and capture buttons.

## 5.2. Focusing the Lens

The CompactPRO features a focusable lens. Rotate the lens ring gently to achieve a clear and sharp thermal image of your target. Adjust as needed for different distances.

## 5.3. Capturing Images and Videos

Use the dedicated buttons within the app interface to capture thermal photos or record thermal videos. Captured media will be saved to your iOS device's photo library.

## 5.4. Understanding Thermal Modes

- **Spot Temperature:** Displays the temperature at the center of the screen.
- **High-Low Temperature:** Indicates the highest and lowest temperatures detected within the current field of view.
- **Threshold Mode:** Highlights areas that are above or below a user-defined temperature range, useful for quick identification of anomalies.
- **Color Palettes:** Experiment with the 9 available color palettes (e.g., White Hot, Black Hot, Iron, Amber) to best visualize temperature differences for your specific application and improve contrast.

## 5.5. Emissivity Settings

For accurate temperature readings on various surfaces, adjust the emissivity settings within the app. The CompactPRO offers four emissivity presets. Consult the app's help section for guidance on selecting appropriate emissivity values for different materials.

## 5.6. Sharing Data

Utilize your smartphone's standard sharing capabilities to send captured thermal images and videos via email, messaging apps, or cloud storage for analysis or documentation.

# 6. MAINTENANCE

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- **Cleaning:** Gently wipe the lens and device body with a soft, lint-free cloth. Avoid using abrasive materials, solvents, or harsh chemicals, as these can damage the lens coating or device finish.
- **Storage:** Always store the CompactPRO in its provided protective carrying case when not in use. This prevents dust accumulation on the lens and protects the device from physical damage.
- **Software Updates:** Regularly check the Apple App Store for updates to the Seek Thermal app. Keeping the app updated ensures optimal performance, access to new features, and bug fixes.

# 7. TROUBLESHOOTING

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## 7.1. Device Not Detected

- Ensure the CompactPRO is securely plugged into your iOS device's Lightning port.
- Close and restart the Seek Thermal app.
- Restart your iOS device.
- Verify that your iOS device model is compatible with the CompactPRO (refer to Section 8: Specifications).

## 7.2. Poor Image Quality

- Adjust the focus ring on the CompactPRO lens until the image is clear.
- Ensure the lens is clean and free of smudges, dust, or debris.
- Consider the distance to the target and ambient temperature conditions.

## 7.3. Inaccurate Temperature Readings

- Check and adjust the emissivity settings within the app for the specific surface being measured. Incorrect emissivity is a common cause of inaccurate readings.
- Ensure the lens is clean.

## 7.4. App Crashing or Freezing

- Close the app completely and reopen it.
- Ensure your iOS device has sufficient free memory and is running the latest compatible iOS version.
- Check for and install any available updates for the Seek Thermal app.

## 8. SPECIFICATIONS

Feature	Specification
Thermal Sensor Resolution	320 x 240 pixels
Field of View (FOV)	32 degrees
Frame Rate	< 9 Hz
Temperature Detection Range	-40°F to 626°F (-40°C to 330°C)
Focus	Adjustable lens
Detection Distance	Up to 1,800 feet
Power Source	Powered by iOS device (no internal battery required)
Connectivity	Lightning connector
Water Resistance	IP65 rated (Waterproof)
Dimensions (L x W x H)	0.8 x 0.6 x 1.6 inches
Weight	1.76 ounces (50 grams)
Included Components	Seek Thermal CompactPRO, Protective Case
Model Number	LQ-AAA
Compatible iOS Devices	iPhone XS Max, iPhone XS, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5C, iPhone 5
UPC	855753005600, 855753005488

## 9. WARRANTY AND SUPPORT

## 9.1. Warranty Information

The Seek Thermal CompactPRO comes with a 1-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

## 9.2. Customer Support

For technical assistance, troubleshooting, or to inquire about warranty claims, please visit the official Seek Thermal website or contact their customer support department. Contact information can typically be found on the Seek Thermal website.

## Related Documents - LQ-AAA

	<p><a href="#"><u>Seek Thermal FirePRO 200 User Manual</u></a></p> <p>User manual for the Seek Thermal FirePRO 200 thermal imaging camera, providing instructions on operation, maintenance, troubleshooting, and legal information.</p>
	<p><a href="#"><u>Reveal ShieldPRO User Manual - Seek Thermal</u></a></p> <p>User manual for the Seek Thermal Reveal ShieldPRO, detailing its features, operation, and maintenance. Learn about thermal modes, navigation, advanced settings, and support for law enforcement personnel.</p>
	<p><a href="#"><u>Seek Thermal FirePRO Series User Manual &amp; Safety Guide</u></a></p> <p>Comprehensive user manual and safety guide for the Seek Thermal FirePRO Series thermal imager. Includes operating instructions, legal information, safety warnings, disposal guidelines, and support contact.</p>
	<p><a href="#"><u>Seek Thermal FirePRO 300 User Manual</u></a></p> <p>User manual for the Seek Thermal FirePRO 300 thermal imaging camera, providing information on introduction, quick start guide, operation, maintenance, training, support, and legal warranty information.</p>

 <p>User Manual Reveal 300 Thermal Imaging Camera</p>	<p><a href="#">Seek Thermal Reveal 300 User Manual: Thermal Imaging Camera Guide</a></p> <p>Comprehensive user manual for the Seek Thermal Reveal 300 thermal imaging camera. Learn about operation, features, maintenance, and troubleshooting for situational awareness, personal safety, and recreational use.</p>
 <p>User Manual FirePRO 300 Thermal Imaging Camera</p>	<p><a href="#">Seek Thermal FirePRO 300 User Manual: Thermal Imaging Camera for Firefighters</a></p> <p>This user manual provides comprehensive guidance for the Seek Thermal FirePRO 300, a thermal imaging camera designed for firefighters. It covers setup, operation, maintenance, training, troubleshooting, and legal information.</p>

Documents - Seek Thermal – LQ-AAA

[\[pdf\]](#) Specifications Datasheet Dimension Guide

datasheet Seek Compact PRO High Resolution Thermal Imaging Camera for iPhone 9 Hz lq aaa  
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[\[pdf\]](#) Specifications Datasheet Dimension Guide

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