

InfiRay P2Pro

InfiRay P2Pro 8mm Macro Lens for Android User Manual

Model: P2Pro 8mm Macro Lens (Android Version)

Brand: InfiRay

1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of the InfiRay P2Pro 8mm Macro Lens, designed exclusively for the InfiRay P2 Pro Android Version Infrared Thermal Imaging Camera. This accessory enhances the thermal camera's capabilities by allowing for highly detailed close-up thermal inspections.

2. PRODUCT COMPONENTS

The InfiRay P2Pro 8mm Macro Lens package typically includes:

- InfiRay P2Pro 8mm Macro Lens (Android Version)



Image 1: The InfiRay P2Pro 8mm Macro Lens. This lens is designed to attach to the InfiRay P2 Pro Android thermal camera for enhanced close-up thermal imaging.

3. SETUP

1. **Compatibility Check:** Ensure your InfiRay P2 Pro thermal camera is the **Android Version**. This macro lens is not compatible with the iOS version.
2. **Attachment:** The macro lens features a magnetic attachment system. Align the macro lens with the lens of your InfiRay P2 Pro thermal camera. The magnets will secure the macro lens in place.
3. **Secure Connection:** Gently verify that the macro lens is firmly attached to prevent accidental detachment during use.

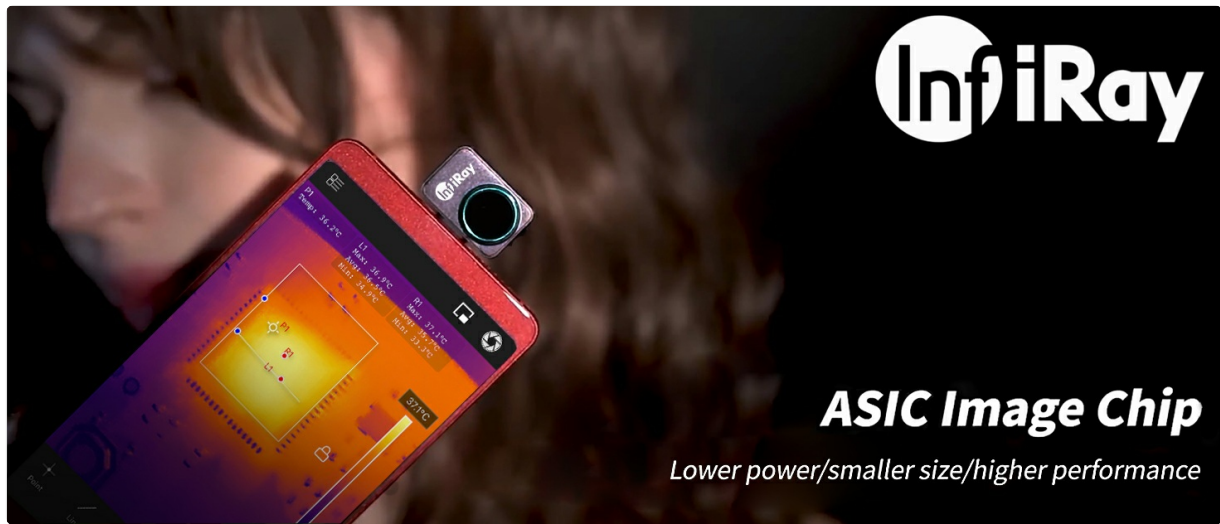


Image 2: An InfiRay P2 Pro thermal camera connected to an Android phone, demonstrating the potential setup with a macro lens for detailed thermal analysis of electronic components.

4. OPERATING INSTRUCTIONS

The InfiRay P2 Pro thermal camera, when used with the 8mm macro lens, offers enhanced capabilities for detailed thermal inspection:

- **Normal Mode:** Without the macro lens, the P2 Pro operates in its standard mode, capable of capturing clear thermal images within an effective range of up to 16.4 feet (5 meters).
- **Macro Mode (with 8mm Macro Lens):** Attaching the 8mm macro lens enables a specialized macro mode. This mode allows for significantly more precise and detailed thermal imaging at very close distances.
- **Applications:** This macro capability is particularly useful for examining small components, such as those found on Printed Circuit Boards (PCBs). For example, it can clearly visualize 0.25 mm resistors from a distance of up to 4 cm.
- **Micro-World Exploration:** The macro lens facilitates the exploration of thermal patterns in miniature environments, revealing details not visible in standard thermal imaging.

To operate, ensure the macro lens is securely attached, then launch the InfiRay P2 Pro application on your Android device. The application will automatically adjust or provide settings for macro imaging.

5. MAINTENANCE

Proper care ensures the longevity and performance of your InfiRay P2Pro 8mm Macro Lens:

- **Cleaning:** Use a soft, lint-free microfiber cloth specifically designed for optical lenses to clean the lens surface. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens.
- **Storage:** When not in use, store the macro lens in its protective case or a clean, dry environment to prevent dust accumulation and scratches.
- **Handling:** Avoid touching the lens surface with bare fingers. Handle the lens by its sides.
- **Environmental Conditions:** Do not expose the lens to extreme temperatures, high humidity, or corrosive substances.

6. TROUBLESHOOTING

If you encounter issues with your InfiRay P2Pro 8mm Macro Lens, consider the following:







- **Unclear Image:**
 - Ensure the macro lens and the P2 Pro camera lens are clean and free of dust or smudges.
 - Verify the macro lens is securely attached and properly aligned.
 - Confirm the object being inspected is within the optimal macro focusing distance (e.g., 4 cm for very small components).
- **Lens Not Attaching:**
 - Check for any obstructions on either the macro lens or the P2 Pro camera lens that might prevent magnetic attachment.
 - Ensure you are attempting to attach it to an InfiRay P2 Pro Android Version camera. The magnetic attachment mechanism and size may differ for other models or versions.
- **No Macro Functionality:**
 - Confirm the macro lens is correctly attached.
 - Ensure the InfiRay P2 Pro application is updated to the latest version, which may include optimizations for macro lens use.

7. SPECIFICATIONS

Feature	Detail
Model Number	INFIRAY P2Pro Android (Macro Lens Accessory)
Compatible Mountings	InfiRay P2 Pro Android Version Thermal Camera
Lens Type	Macro
Focal Length Description	8mm (effective focal length for macro imaging)
Item Weight	6.4 ounces (approx. 181 grams)
Package Dimensions	4.13 x 1.77 x 1.55 inches

8. WARRANTY AND SUPPORT

For information regarding the warranty of your InfiRay P2Pro 8mm Macro Lens, please refer to the warranty documentation provided with your original InfiRay P2 Pro thermal camera or contact the authorized InfiRay dealer or manufacturer directly. Support resources, including FAQs and contact information, can typically be found on the official InfiRay website.

 <p>Operating Manual V1.0 IMRC-1 InfiRay Remote Controller Use For MATE Series</p>	<p>InfiRay IMRC-1 Remote Controller Operating Manual for MATE Series</p> <p>Operating manual for the InfiRay IMRC-1 remote controller, designed for use with the MATE series. Includes safety information, specifications, features, operation instructions, and regulatory compliance details.</p>
 <p>MATE User Manual</p>	<p>InfiRay MATE Series Thermal Imaging Attachment User Manual</p> <p>User manual for the InfiRay MATE Series thermal imaging attachment, covering models MAL25, MAL38, and MAH50. Includes safety information, specifications, operation, installation, maintenance, and troubleshooting.</p>
 <p>AFFO User Manual</p>	<p>InfiRay AFFO Series Thermal Imaging Monocular User Manual</p> <p>This user manual provides comprehensive guidance for the InfiRay AFFO series thermal imaging monocular, detailing safety precautions, specifications, operational procedures, features, and troubleshooting for models AP09, AP13, AL19, and AL25.</p>
	<p>iRay Eye Series E3w C2w Thermal Monocular Quick Start Guide</p> <p>A quick start guide for the iRay Eye Series E3w and C2w thermal monocular devices, detailing operation, features, technical specifications, and important usage instructions.</p>
 <p>FINDER Operating Manual</p>	<p>InfiRay FINDER Thermal Imaging Monocular Operating Manual</p> <p>This operating manual provides comprehensive instructions for the InfiRay FINDER series thermal imaging monoculars, including models FL25, FL25R, FH25, and FH25R. It covers product specifications, package contents, features, detailed operation, button functions, menu navigation, calibration procedures, photography and video recording, connectivity, maintenance, and troubleshooting.</p>
 <p>ILR-1200-1 INFRAY LASER RANGEFINDER</p>	<p>InfiRay ILR-1200-1 Bluetooth Laser Rangefinder: Specifications, Installation, and Usage Guide</p> <p>Comprehensive guide for the InfiRay ILR-1200-1 Bluetooth Laser Rangefinder, covering specifications, installation, components, LED indicators, battery, calibration, linkage with TUBE series, software upgrades, and regulatory information.</p>