

Macro Lens Attachment for Pocket2 Thermal Cameras

Reveal Thermal Details Invisible to Standard Lenses



The Macro Lens is designed to bring microscopic thermal details into sharp focus. Engineered for electronic inspection, PCB analysis, research applications, and component-level troubleshooting, it enables users to capture accurate thermal measurements of extremely small targets without changing lenses or performing additional calibration.

Compatible with HIKMICRO Pocket2 thermal cameras, the macro lens allows close-up thermal imaging at a working distance of just 30 mm, making it easier than ever to identify thermal anomalies, verify electronic designs, and pinpoint faulty components with exceptional precision.

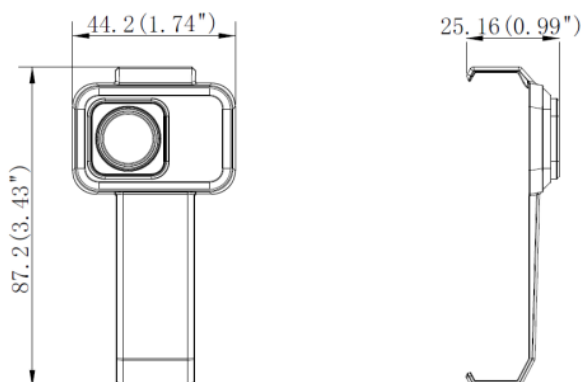
Key Highlights :

- **High-Accuracy Temperature Measurement:** Delivers precise thermal readings with an accuracy of Max ($\pm 3^{\circ}\text{C}$ / $\pm 5.4^{\circ}\text{F}$, $\pm 3\%$) for object temperatures ranging from -20°C to 150°C , ensuring reliable analysis of electronic assemblies and components.
- **Capture Microscopic Thermal Details:** Clearly visualize targets as small as $100\text{ }\mu\text{m} \times 100\text{ }\mu\text{m}$, enabling detailed inspection of miniature electronic components, solder joints, semiconductor devices, and PCB traces.
- **No Calibration Required:** Ready for immediate use after installation. The lens requires no factory calibration, eliminating downtime and simplifying field deployment.
- **Quick & Easy Installation:** Designed for effortless attachment to compatible Pocket Series thermal cameras, allowing users to switch from standard inspections to microscopic thermal analysis within seconds.
- **Advanced Close-Up Thermal Imaging:** Focus as close as 30 mm from the target to obtain highly detailed thermal images, revealing heat buildup and thermal dissipation patterns that are often missed by standard lenses.

Technical Specifications

Infrared Image	
Focal Length	4.1 mm
FOV (Field of View)	47.6° (H) × 36.1° (V)
IFOV (Spatial Resolution)	2.93mrad
Focus Distance	30 mm ± 1 mm (1.18" ± 0.04")
Min. Target Size for Imaging	100 μm × 100 μm
Min. Temperature Target	500 μm × 500 μm
Measurement & Analysis	
Object Temperature Range	-20 to 150°C(-4 to 302°F)
Accuracy	Max(±3°C/3.6°F, ±3%)
General	
Working Temperature Range	-20°C to 50°C (-4°F to 122°F)
Weight	9g
Dimension	44.2 mm × 25.16 mm × 87.2 mm (1.74" × 0.99" × 3.43")

Dimensions



Unit: mm (inch)