



# HANDHELD THERMAL CAMERA

LV8131

## COMPACT. ACCURATE. BUILT FOR AUTO ELECTRICIANS.

The LV8131 is a compact handheld thermal camera designed to make fault finding fast and simple for automotive professionals.

With TISR image enhancement technology, the LV8131 upscales resolution from 128×128 to 240×240, providing sharp, detailed images that make heat patterns easy to interpret. Perfect for identifying electrical shorts, poor connections, overheating components, alternator faults, and HVAC issues.

A wide temperature range of -20°C to 450°C (-4°F to 842°F) and a 15-hour battery life ensure reliable performance in workshop and field conditions.

Lightweight, durable, and intuitive to use, the LV8131 helps auto electricians quickly pinpoint problems before they become costly failures - saving time, improving accuracy, and boosting workshop efficiency.

### KEY FEATURES

- **Enhanced Thermal Clarity:** Upscaled resolution from 128×128 to 240×240 with TISR technology.
- **Auto Temp Measurement:** Instantly identifies the highest, lowest, and central temperature points.
- **Auto Warning:** Alerts you when temperatures exceed preset limits for quick fault detection.
- **Versatile Temp Range:** Measures from -20°C to 450°C (-4°F to 842°F), ideal for automotive and workshop applications.
- **15-Hour Runtime:** Long-lasting 2,900mAh battery for all-day use.
- **Robust Build:** IP54-rated for dust and water resistance, with impact protection up to 2m (6.6ft).
- **Compact and Portable:** Pocket-sized design makes it easy to carry between jobs.
- **Customizable Settings:** Fine-tune emissivity, distance, and ambient temperature for precise readings.
- **Five Colour Palettes:** Choose from White Hot, Black Hot, Iron, Rainbow, or Red Hot for optimal visibility.

### TECHNICAL SPECIFICATIONS

- **IR Resolution:** 128×128, enhanced to 240×240 via TISR
- **Measurement Range:** -20°C to 450°C (-4°F to 842°F)
- **Refresh Rate:** 25Hz
- **Spectral Range:** 8–14µm
- **Field of View (FOV):** 40° × 30°
- **Focal Length:** 3.2mm
- **NETD:** <40mK
- **Memory:** 512MB internal storage
- **Battery Life:** 15 hours
- **Battery Type:** Built-in 2,900mAh rechargeable
- **Protection Level:** IP54

