

Thermal Camera

INSPECTRON
THE VISIONARY COMPANY



See the Heat. Quickly Diagnose.

A professional-grade, compact, thermal camera with high-end sensor. Precise, rugged, and priced for every technician's toolbox. Easily identify hidden problems then document and share internally or with customers.

Key Benefits.

✓ Electrical Confidence

Instantly spot overheating fuses, failing relays, or high-resistance connections before they become costly breakdowns.

✓ Brake Safety Checks

Compare rotor and caliper temps in seconds to confirm dragging brakes, seized calipers, or uneven wear.

✓ A/C System Insights

Visualize radiator flow, thermostat function, and heater core performance without tearing down components.

✓ Engine & Exhaust Diagnostics

Identify misfires by exhaust runner temps, pinpoint head gasket issues, or confirm catalytic converter efficiency.

✓ Preventive Maintenance

Catch failing wheel bearings, uneven tire heating, or EV battery hot spots early, saving time and money.



Why This Camera?

✓ High-IR Resolution Imaging

Crisp detail to see subtle temperature differences.

✓ Compact & Durable

Shop-ready design built to handle grease, dust, and the daily grind.

✓ User-Friendly Interface

Intuitive menus and color palettes designed for quick use.

✓ Data Capture

Save and share images with customers to build trust and transparency.

Thermal Camera



IR Resolution	256 × 192
Field of view (FOV)	50° × 37.2°
Display Size	3.5"
Display Resolution	320 × 240
Color Palettes	Fusion, Ironbow, Rainbow, Redhot, Whitehot
Thermal Sensitivity/NETD	≤40mK
Object Temperature Range	-10°C-400°C (14°F-752°F)
Accuracy	±2% OR ±2°C
Spectral Range	8 μm to 14 μm
Image Frequency	9 Hz
Media Storage Capacity	4 GB
Media Storage Type	SD Card
Camera size (L x W x H)	214mm*132mm*60mm (8.4 × 5.2 × 2.4in)
Camera weight incl battery	400 g (0.88 lb)
Battery operating time	4 hours
Battery Type	Rechargeable Li-ion Battery
Battery voltage	3.7V
Charging Time	~2 Hours
Operating Temperature Range	0°C to 50°C (32°F to 122°F)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)
Certifications	CE, ROHS, REACH, EMC, UN38.3, MSDS, FCC, ICES, CP65
Drop test	2 Meter
Encapsulation	IP54
Package Includes	QR Code to Digital Manual Charging Cable Storage Box

