



IR-281B

POCKET-SIZE THERMAL IMAGING CAMERA

IPX6 PROTECTION DEGREE

**6 IMAGE MODES, BUILT-IN FLASHLIGHT
AND WiFi CONNECTIVITY
TO ANDROID APP**

TOUCH SCREEN

Experience professional-grade thermal imaging with the IR-281 tablet camera. Its wide temperature range of **-20 to 650 °C** is packed into a budget-friendly design.

Measuring only **135 x 90 mm**, its **ultra-compact design** makes it easy to carry and store with your other essentials.

Detect hard-to-find faults instantly with thermal imaging: Faulty electrical and electronic components, leaks in air conditioning systems, insulation defects, and any situation where a temperature change reveals a breakdown or malfunction.



- ✓ **Temperature margin:** From -20 to +650 °C
- ✓ **Water and impact resistant**
- ✓ **Six thermal imaging modes**
- ✓ **Customizable Interface:** Thermal, Real, Combined, PiP
- ✓ **USB Charging:** Four hours of battery Life
- ✓ **Fully Touch-Enabled Interface**



**IT CAN BE USED IN EITHER
PORTRAIT OR LANDSCAPE,
OR MOUNTED ON A TRIPOD
(NOT INCLUDED)**



APPLICATIONS OF THERMAL IMAGING

- ✓ **Industrial maintenance:** Electrical Panels, machinery
- ✓ **Electronic circuitry:** Maintenance and technical service
- ✓ **Rescue and safety:** Locating living beings in the dark
- ✓ **Construction:** Insulation and Energy Savings
- ✓ **Plumbing:** Leak detection and cold spots in radiators
- ✓ **Chemistry & derivatives:** Compressed gases in cylinders
- ✓ **Refrigeration:** Performance and leaks in installations
- ✓ **Renewables:** Temperature ranges in solar panels

SPECIFICATIONS	IR-281B POCKET-SIZE THERMAL IMAGING CAMERA
DETECTOR Array size/format	VOx FPA (vanadium oxide) 256x192 pixels
IMAGE FEATURES Lens Spatial resolution (IFOV) Thermal sensitivity (NETD) Frame frequency Focus Spectral range	6 mm / F1.0 2 mrad ≤ 0.05 °C @ 30 °C 50 Hz Focus free 9-14 µm
LCD DISPLAY	3.5" TFT touch screen LCD Automatic landscape/portrait orientation
MEASUREMENT Temperature ranges Accuracy Measurement correction Measurement mode Color palettes Image adjustment Image display	-20 °C to 650 °C ±2 °C or ±2 % of reading, whichever is greater Automatic / manual Real time movable spot, Movable area (max, min and average temperatures), Line temperature measurement, Thermal alarm (audible and color) 6, selectable (includes iron red, rainbow, black and white, reverse black and white...) Manual/automatic contrast and brightness, automatic enhancement IR, Visual image, PiP (full screen IR or visual image + frame displaying the other image mode)
IMAGE STORING File format	16 GB internal memory JPEG or MPEG-4, including thermal measurement data
POWER SOURCE Battery type Battery operation time Battery charge mode Power saving	Internal rechargeable Li-Ion ≥4 h Via USB connector Auto sleep and Auto power off
ENVIRONMENT Operating temperature Storage temperature Humidity (non-condensing) Encapsulation Drop test Protection	-15 °C to +50 °C -40 °C to +70 °C ≤95 % IPX6 2 n Shock resistant up to 30G (IEC68-2-29), Vibration resistant up to 2G (IEC68-2-6)
INTERFACE	USB port for data transfer and battery charge WiFi for Android app connection, real-time data analysis and upload Tripod attachment thread (tripod not included)
MECHANICAL FEATURES Dimensions Weight	135 (W.) x 90 (H.) x 26 (D.) mm 200 g