

PARAMETERS

Items	T4-Pro
Type	Uncooled FPA Micro bolometer
Resolution	256×192
FOV/Minimum Focal Length	19°×15°/0.1m
Spatial Resolution	1.32mrad
NETD	≤0.05°C@30°C
Frame Rate	60Hz
Focusing Method	Manual
Spectrum	7-14um
Built-in Visible Camera	CMOS module with 2 built-in LED fill lights
LCD Display Screen	3.5" TFT color LCD, 640 x 480 pixel touch screen
Image Display	IR image and visible light can be quickly switched, IR image and visible light image can realize picture-in-picture, fusion.
Palette	16 color palettes to choose from (including iron red, rainbow, black and white, black and white reversal, etc.)
Image Processing	Auto/manual adjustment of contrast, brightness, auto enhancement mode
Temperature Range	-20°C~ +650°C
Temperature Accuracy	±2°C or ±2% (reading range), whichever is greater
Temperature Calibration	Auto/Manual
Measurement Modes	Real time 8 movable points, 8 movable areas (highest and lowest temperature capture, average temperature measurement), line temperature measurement, Isothermal analysis, temperature difference measurement, temperature alarm (sound, color).
Emissivity Correction	Adjustable emissivity from 0.01 to 1.0 (in increments of 0.01) or emissivity corrected by predefined substance emissivity table
Background Temperature Correction	Automatic
Atmospheric Transmittance Correction	Automatic, based on input target distance, relative humidity, ambient temperature
Memory Card	Built-in 16G memory card, expandable
Storage Method	Manual/automatic
Infrared Image Format	JPEG format with infrared raw measurement data images; DLV format storage, recording infrared temperature data.
Visible Image Format	JPEG
Text Annotation	Yes
Laser Pointer	Secondary, 1mW/635nm Red
Battery Type	Lithium battery, rechargeable
Battery Working Time	6 hours continuous working
Charging Type	Smart charger charging or random charging
Power Saving Mode	Auto sleep, auto power off
Working Temperature	-20°C~+50°C
Storage Temperature	-40°C~+70°C
Humidity	≤95% (Non condensing)
Protection Grade	IP54
Shock Resistance	25G, IEC68-2-29
Vibration Resistant	2G, IEC68-2-6
Weight	≤1.1kg (including battery pack)
Dimension	230mm×105mm×245mm
Armrest	Optional mounts on both sides
Power Connector	Yes, Type C
WIFI	Built-in wifi, mobile APP can analyze IR image in real time
Video Output	Analog Video

※ The information contained in this document is subject to change without notice.

APPLICATION FIELDS



Power safety diagnosis



Electrical/mechanical inspection



Preventive and predictive maintenance



Rail transportation



Building diagnostics



Thermal fault detection in petroleum & petrochemical



Scientific research



Automation applications



Other applications



Zhejiang Dali Technology Co., Ltd. was formerly known as Zhejiang Institute of Testing Technology, which was established in 1984, was restructured in 2001, and listed on Shenzhen Stock Exchange in February 2008 (stock code 002214).

Dali Technology is a high-tech enterprise specializing in the development of uncooled infrared focal plane detectors, infrared thermal imaging systems, intelligent inspection robots, and inertial navigation optoelectronic products. It is one of the few professional manufacturers in China with independent technology control, complete intellectual property rights, and independent research and development, and has a complete industrial chain from the production of thermal imaging core devices, and movement components to the manufacture of complete systems. The company has undertaken a number of national scientific research projects such as "Nuclear High Foundation" and "Major Scientific Instruments". Our products are widely used in the fields of aerospace, electric power, petrochemical, civil consumption, etc. We have three technology R&D centers in Hangzhou, Shanghai, and Beijing, and are the only infrared company in China that has achieved mass production of uncooled focal plane infrared detectors with dual technology lines (amorphous silicon and vanadium oxide).

Based on the development vision of "striving to become a world-famous supplier of optoelectronic products", Dali Technology continues its mature R&D system, quality management system, and after-sales service system, with the core brand value of "technology reassures customers and service satisfies customers". To provide high-quality products and professional services for global customers. Combined with its own continuous exploration of optoelectronic application technology, to provide global customers with significant effective industry solutions.

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T4-Pro ELECTRICAL & INDUSTRIAL INSPECTION INFRARED THERMAL IMAGER

Handheld Infrared Thermal Imager



T4-Pro

256×192 Pixels

Electrical & Industrial Inspection Infrared Thermal Imager

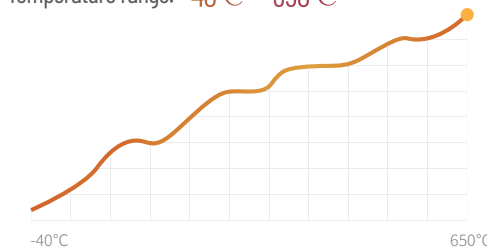
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°C FULL-RANGE TEMPERATURE MEASUREMENT SCENARIOS

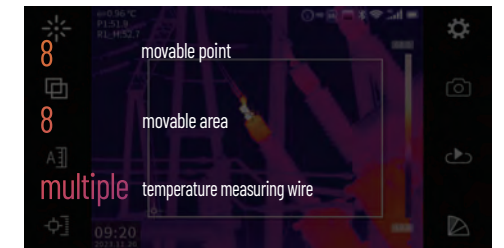
From electrical and building inspection to power industrial detection, easily handled with ample capability

Temperature range: -40 °C ~ 650 °C



°C RICH TEMPERATURE MEASUREMENT FUNCTIONS

High/low temperature tracking, isothermal analysis, temperature difference measurement, temperature alarm (sound/color)



3.5" HD TOUCHSCREEN FOR COMFORTABLE VIEWING

TFT LCD, color, high-brightness capacitive touchscreen



🎨 MULTIPLE IMAGE DISPLAY MODES

16 optional color palettes

Auxiliary image presentation for various environments

Infrared image / Visible light / Picture-in-picture / Fusion



🔧 SELF-DEVELOPED CHIP

256x192 pixel uncooled infrared focal plane detector

0.05°C@30 °C Ultra-high thermal sensitivity

🔋 EXTENDED BATTERY LIFE

6h continuous operation

Portable and lightweight handheld design



🤖 DALIIR ANDROID APP

DaliIR APP is a multifunctional software designed specifically for viewing, managing, analyzing, and automatically generating reports from infrared thermal images captured by Dali infrared thermal imagers. The software imports image data via Wi-Fi, supports color palette conversion, image format conversion, and storage, enabling mobile-terminal point temperature measurement, line temperature measurement, and area temperature measurement analysis, with one-click PDF analysis report generation.



Download the App

APPLICATION SCENARIOS

Suitable for industries such as power fault diagnosis, petrochemicals, steel, scientific research, railways, medical care, and building inspection.

