

Technical Specification

Items	LT6-M	LT6-PM
Type	Uncooled focal plane (VOx)	
Resolution	384×288	640 x 512
Super-pixel	768×576	1280 x 1024
NETD	≤0.03°C@30°C (30mk)	
Frame rate	60Hz	
Focusing Mode	Manual	
FOV	28° × 21°	28° × 23°
Monitor	4.3" Color Touch Screen	
Backlight	High brightness sunlight screen	
Palette	16 kinds of color available	
Image adjustment	Auto/Manual	
Spatial resolution	1.3mrad	0.8mrad
Display mode	IR, Visible Light, Picture-in-Picture, Fusion, Detail Enhancement	
Digital zoom	1.0~8.0x continuous zoom	
Visible light camera	5 Megapixel	
Video output	UVC	
Memory	Built in storage of 128GB, expandable to 256GB	
Video Recording	Yes, local general video format storage, can be set for timed storage and supports infrared, visible light, and fusion mode.	
Image Storage	Yes, infrared image JPEG format, with infrared temperature data; visible light, fusion JPEG format storage	
Annotation	60 second voice recording, stored along with the image, with optional text annotations.	
Code scanning/ naming	Support QR code scanning and naming	
Measurement range	-20°C~+650°C	
Measurement accuracy	± 2 °C or ± 2% of the measured value, take the absolute value of the larger.	
Measurement modes	Real time 10 movable points (the hottest and coldest points are independent), 10 movable areas (capturing the highest and lowest temperatures, measuring the average temperature), 10 temperature measurement lines, isothermal analysis, temperature difference measurement, temperature alarm (sound, color)	
Measurement calibration	Automatic (short time, long time, customized) / Manual	
Atmospheric Window Correction	Correction according to IR window transmittance	
Atmospheric transmittance correction	Automatic, based on input target distance, relative humidity, ambient temperature	
Background Temperature Correction	Automatically correct based on the input temperature	
Emissivity Correction	Adjustable emissivity from 0.01 to 1.0 (in increments of 0.01), or emissivity correction via predefined substance emissivity table	
Battery type	Lithium battery, rechargeable	
Battery working time	6 hours continuous working	
Charging type	Both Seat and direct charging can be fully charged after 3 hours of shutdown	
Power saving mode	Auto sleep/power off	
Dimension	W116×D187×H278mm	
Weight	≤1.0kg (including battery)	
Armrest Strap	Yes, both sides installed	
Tripod	1/4"-20-UNC	
Memory Card Slot	TF card holder	
Data Interface	USB Type C , Image/video transmission	
Power connector	USB Type C	
Laser Lighting	Laser indication+laser ranging, Laser ranging ≥ 50m, accuracy ± 0.1m	
Fill light	Yes	
WiFi	Yes	
Bluetooth	Audio output/input (Bluetooth earphones)	
4G/5G	Optional	
Cloud Platform	Optional	
Positioning	Yes	
Electronic compass	Yes	
Setup	Date/time, temperature unit °C/°F/K, language, etc.	
Offline analysis	Support PC offline analysis	
Working Temperature	-20°C~+50°C	
Storage Temperature	-40°C~+70°C	
Humidity	≤95% non-condensing	
Protection Grade	IP54	
Fall resistance	1m, GB/T2423.8 (IEC60068-2-32)	
EMC	Complies with CE requirements	
RoHS	2011/65/EC	
Laser	IEC60825-1-2014	

★ The above data and contents are for reference only,and the actual products shall prevail.



LT6

Series

Handheld Infrared Thermal Imager

Ultimate Cost-Effectiveness

LT6 Series

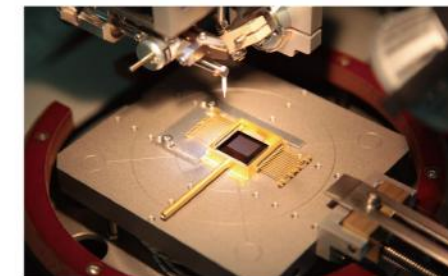
Handheld Infrared Thermal Imager

Ultimate Cost-Effectiveness



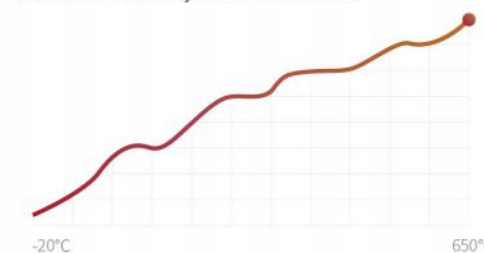
Industrial-grade standard, self-developed core technology

IR resolution 384×288/640×512
Fifth-generation self-developed high-sensitivity detector
NETD as low as 30mK



Full coverage of temperature measurement scenarios

Measurement range: -20°C~+650°C
Measurement accuracy: $\pm 2^\circ\text{C}$ or $\pm 2\%$



High frame rate, high sensitivity, and smoother flow

60Hz frame rate for real-time dynamic monitoring
Temperature measurement is stable and accurate without any lag



Image function

5 image modes+16 dedicated color palettes
Suitable for various temperature measurement environments



Long endurance capability

Single battery lasts ≥ 6 hours, eliminating power anxiety.



Digital zoom+laser indication+laser ranging

1.0~8.0x continuous zoom for near/far observation
pinpoint anomalies and measure distance/area



Temperature measurement function

Advanced thermal modes: Spot, area, line, and full-screen max/min temperature tracking for enhanced analysis.



Rich interfaces and functions

WIFI, Bluetooth, 4G/5G(optional),
Compass & GPS, TYPE-C



Professional analysis software

Cross-platform software: Mobile and PC analysis tools included



High quality user experience

Integrated mold with leather-textured grip and secure battery latch to prevent disconnection/shutdown

Application

Suitable for construction, electrical/machinery, railroad, steel and petrochemical, new energy, photovoltaic, automation applications and other industries.

