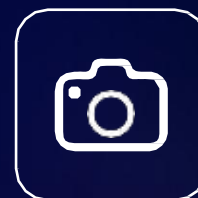


UTi720V & UTi730V

Infrared Thermal Camera



3.5"
Touch Screen



5MP
Digital Camera



Laser
Ranging



Wi-Fi Live
Streaming



Video
Recording



On Screen
Analyzer



Multi-Languages



Detachable
Battery



PC Software



Mobile APP

Enhanced Performance

◆ 3.5" Touch Display Screen



◆ 5MP Digital Camera



V series products inherit the appearance characteristics of E series products and upgrade the display screen and digital camera resolution based on it.

Auxiliary Means

◆ Dual-LED Lights



◆ Laser Ranging



LED Light: Supply lights in the environment with low brightness

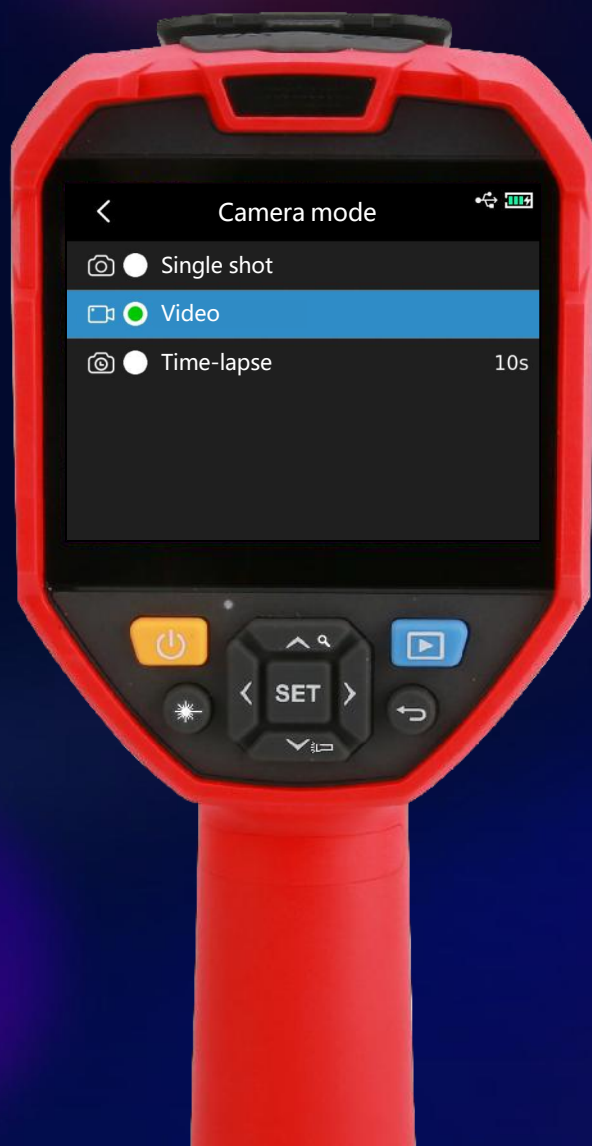
Laser Ranging: Measuring the distance within the safe range (**measuring up to 30m**).

T-Mix Fusion Algorithm



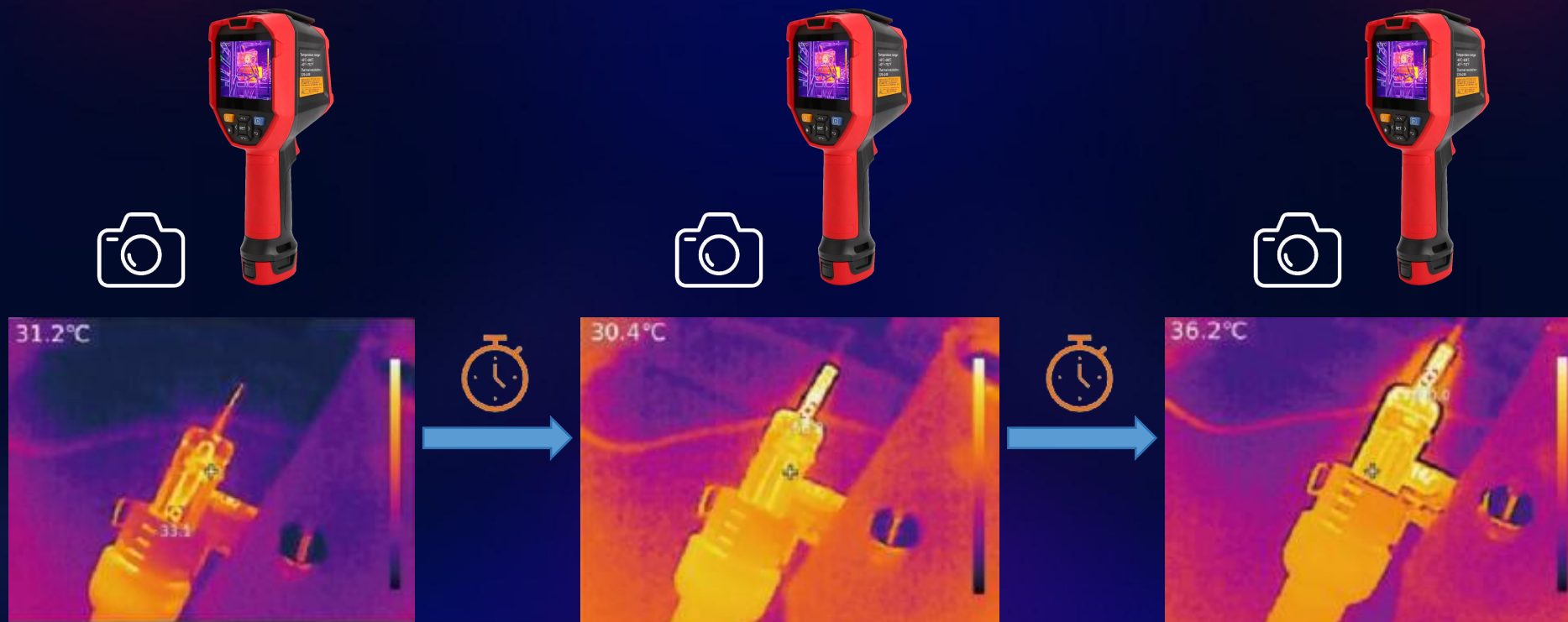
Auto-adaptive dual-wave image fusion algorithm realizes distance adaption for difference shooting distances. One-click button to complete the process of images adaption, showing the details of the visual image on the thermal image.

Video Recording



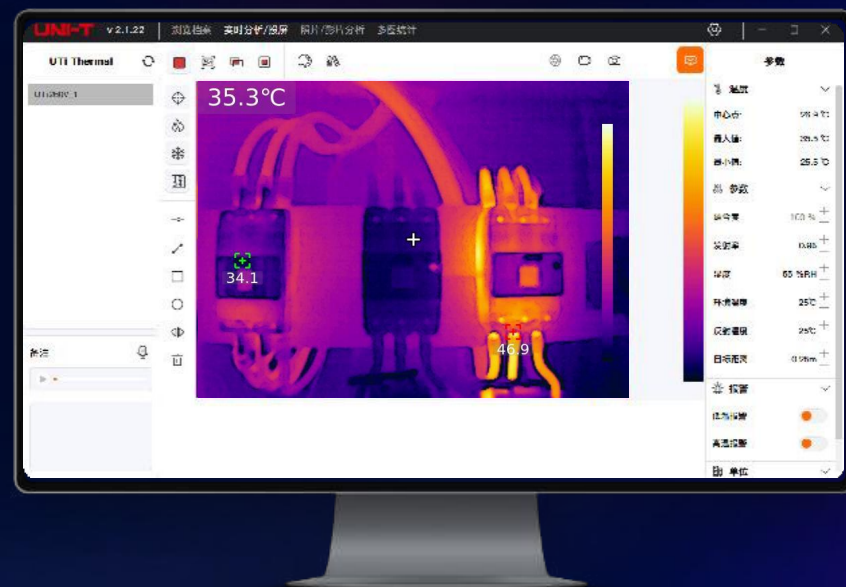
Video recording function is built-in on V series products, which supports to continuously record the real-time dynamic data for trend analysis of the temperature changes.

Automagical Routine Inspection



Users can customize the time of routine inspection (**Time-lapse**), taking photos & recording the temperature data automatically to monitor the temperature changes of the target.

PC Analysis Software



PC Software Interface

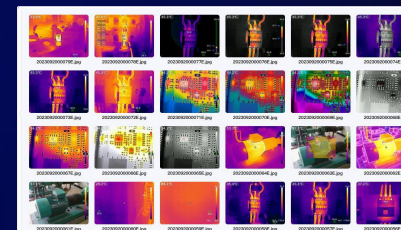


Photo Browsing

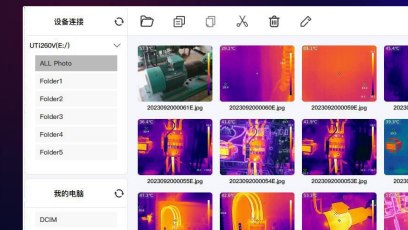


Photo Management

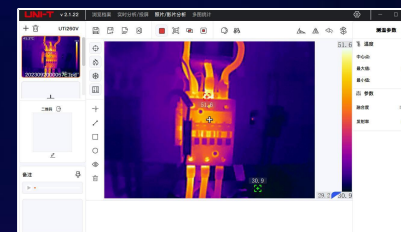
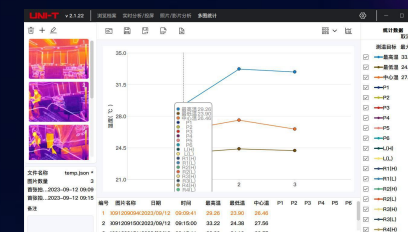
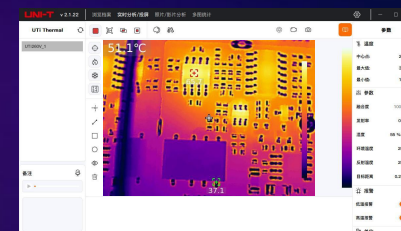


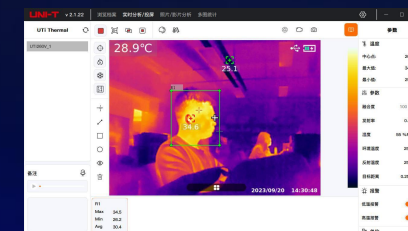
Photo Analysis



Trend Analysis



Real-time Image Projection



Real-time Analysis

Mobile Analysis APP



APP Interface

On Screen Analyzer

Image Mode

Temp. Mark

Color Palette

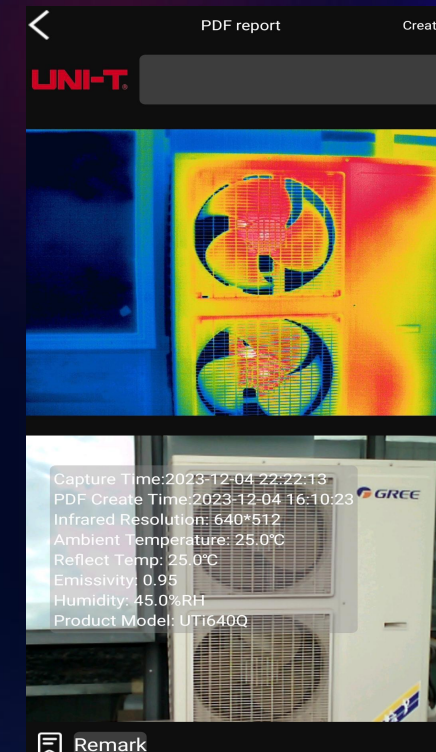
Isotherm



Real-time Image Projection



Reverse Operation

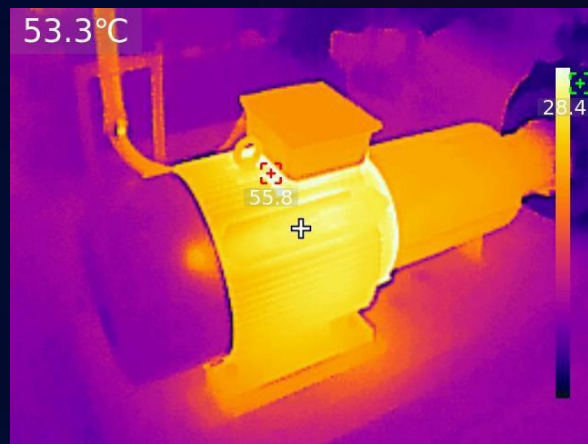


Report Generation

Scan QR code to download
"Thermal Link"



Image Mode



IR



VIS



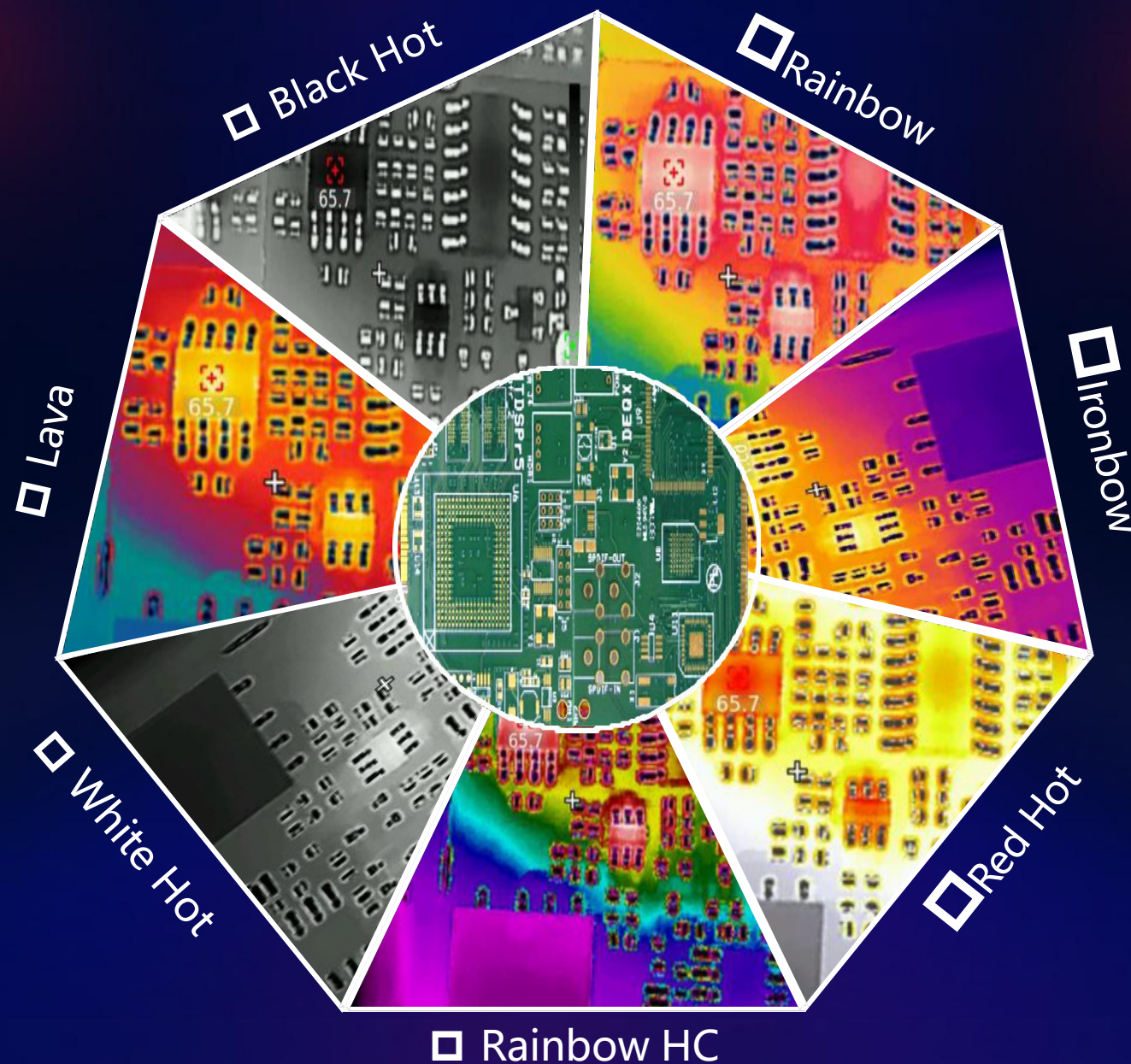
T-Mix



PIP

Selecting the most appropriate image mode according to the different measurement requirements.
The Centre\Hi\Lo temperature values are displayed on full display screen.

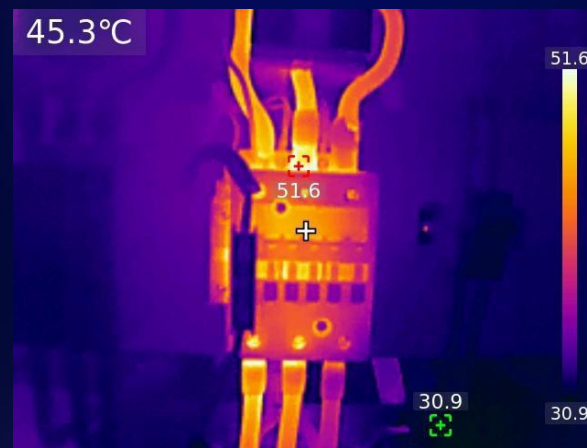
Color Palette



Isotherm



□ Auto



□ Ratio



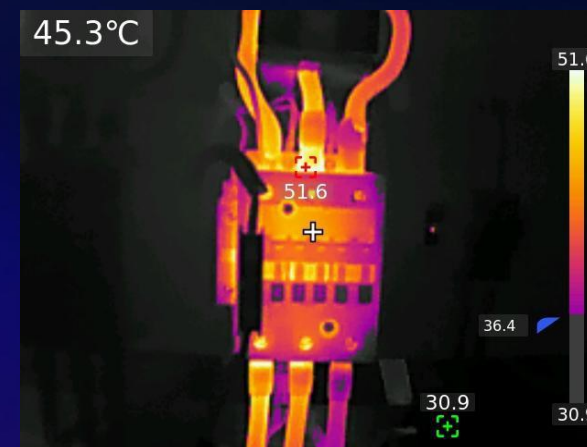
□ Downward



□ Section

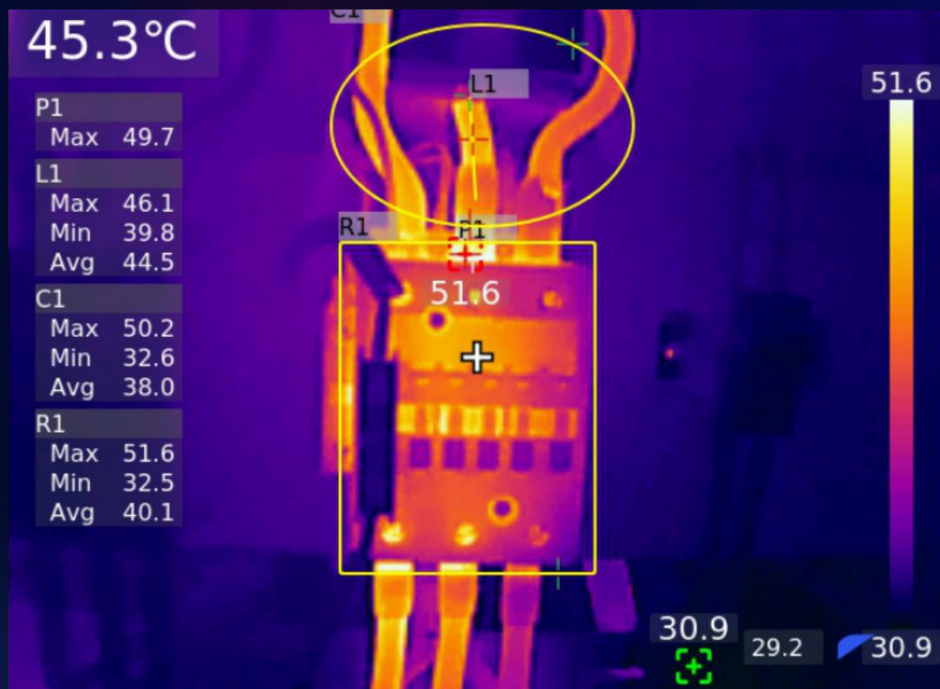


□ Manual



□ Upward

On Screen Analyzer



5 Points

1 Line

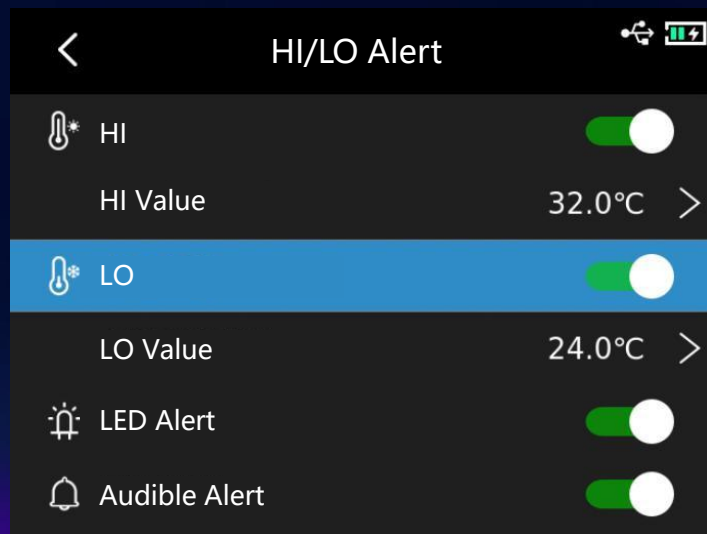
3 Circles

3 Rectangles

Intelligent Alarm System

Alarm system can ensure the measurement safety. System will raise the alarm while the measured temperature exceeds the threshold values.

V series products offers 3 alarm modes: **LCD animation**, **Buzzer alarm**, and **LED alarm**.



❑ HI/LO Alert Settings

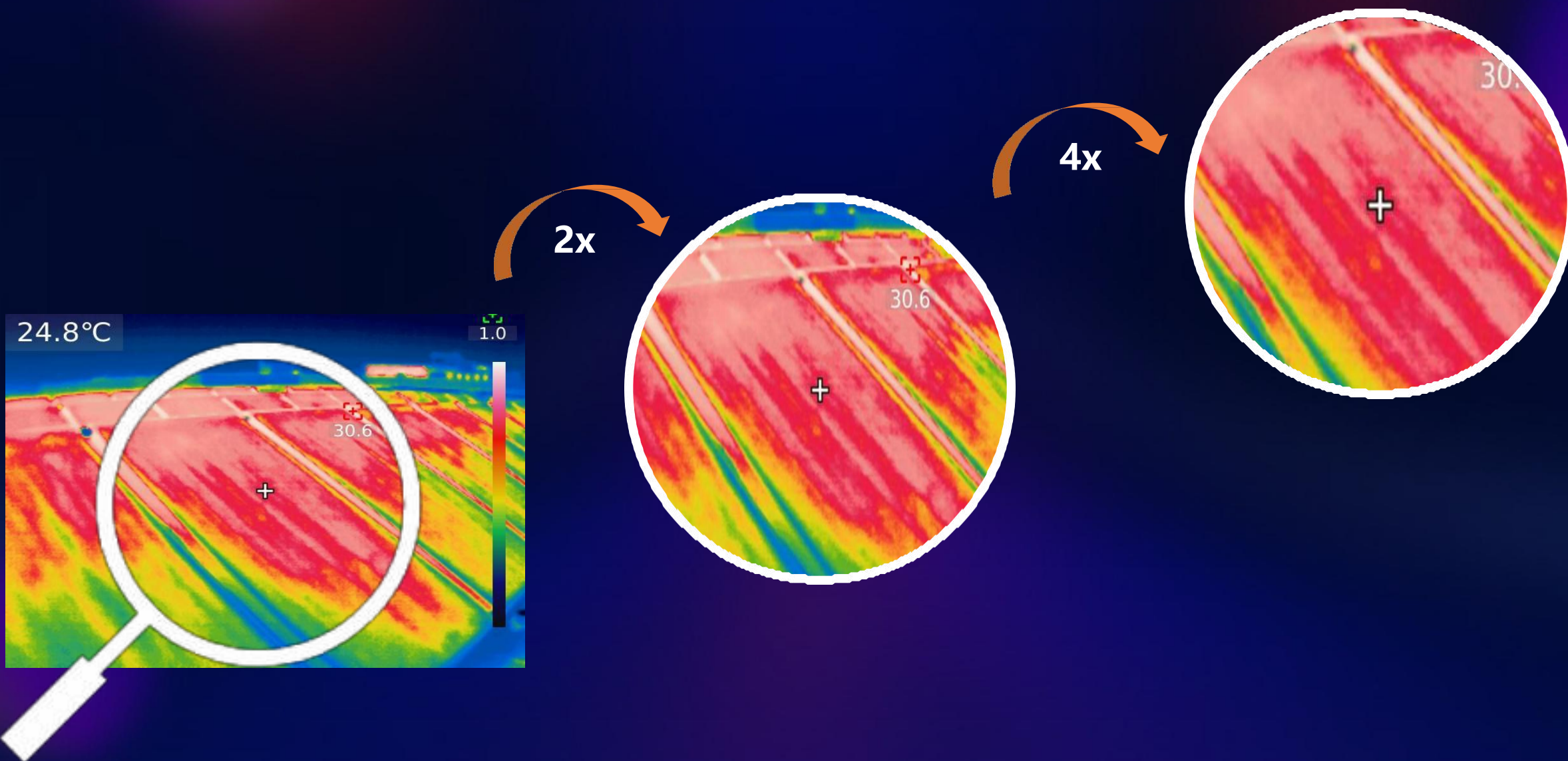


❑ LCD Animation of LO Alert



❑ LCD Animation of HI Alert

Digital Zoom



Detachable Li-ion Battery Pack



◆ Detachable Design



◆ Charging Separately



◆ Indicator Lights

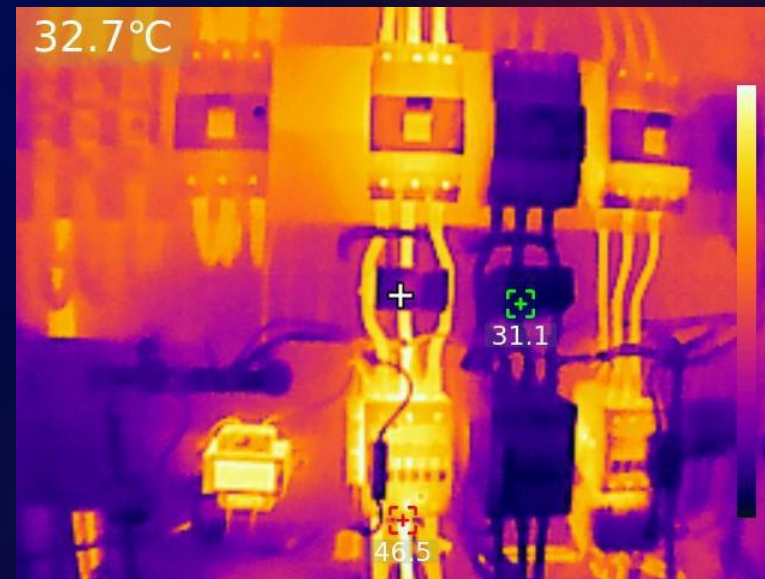


◆ Snap-on Design



◆ Type-C

Power Distribution Cabinet



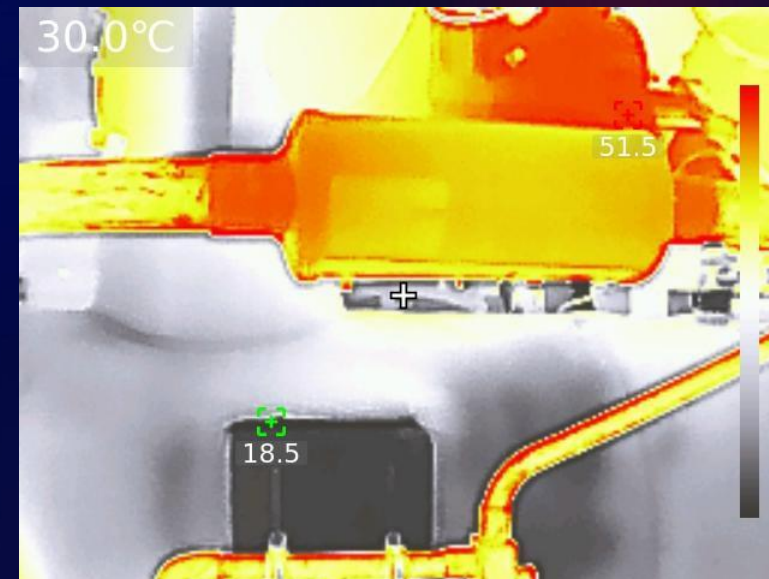
Status quo

There is much impact once the power system fails. The traditional measurement solutions are relatively complex, and probably damage to the equipments.

Advantage of thermal camera

Thermal cameras are the advanced & preventional measurement solution. It can quickly diagnose the faults within a safe area. Figure out the faults and maintain it in advance can decrease the cost and ensure the safety production.

Pipeline Inspection



Status quo

The pipeline is aging as time goes by, and a large amount of heat is lost due to the leakage issue. It takes much time and causes high-cost for leakage problem detection.

Advantage of thermal camera

Detecting the temperature changes that cannot be seen by naked eyes via thermal camera, no damage cause to the pipeline. Find the abnormalities timely to avoid damage to the personnel and the environment.

Electrical Machinery



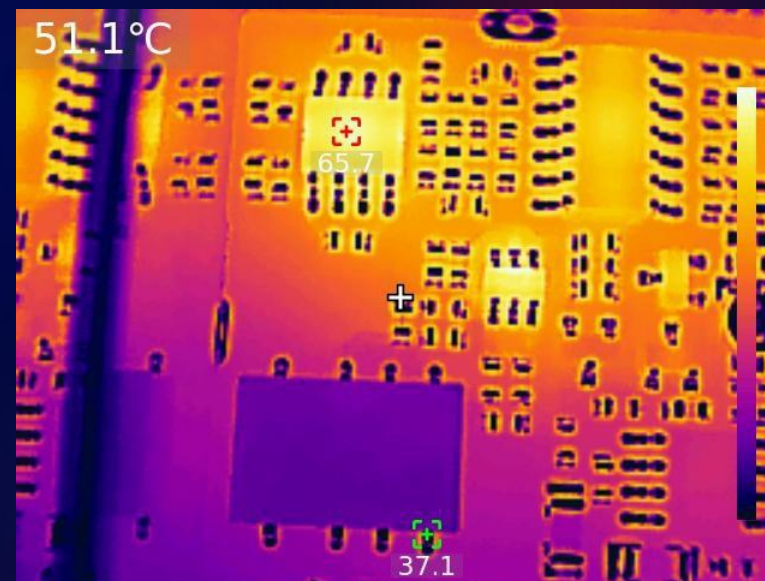
Status quo

Each component of the electrical machinery is working in the different temperature. It's hard to distinguish the temperature difference and master the temperature changes.

Advantage of thermal camera

Allows users to monitor the temperature changes through the practical functions like "On screen analyzer" & "Isotherm". Ensuring each component is running well.

Circuit Board R&D



Status quo

There will be a current through to generate heat when the circuit board working. The heat distribution is vary from the different design of the circuit and different thermal conductivity of each components, which causes confusion for distinguish the subtle temperature difference.

Advantage of thermal camera

Measuring the components via handheld thermograph to analyze whether components are normal, quickly locate the short-circuit point and thermal defects for further treatment.

Specifications

Model	UTi720V	UTi730V	Digital zoom	2x, 4x
Display	3.5" IPS Touch (640×480)		Video/Voice recording	√
IR resolution(Pixels)	256×192	320×240	Wi-Fi/Wi-Fi live streaming	√
Pixel size	12μm		Laser pointer/LED light	√
Frame rate	≤25Hz	≤9Hz	Laser distance measurement	√
Thermal sensitivity(NETD)	≤50mK	≤65mK	Analysis software	PC+APP
Focus	Focus Free		Battery	5200mAh detachable Li-ion battery pack (UT-M17)
Field of view(FOV)	56°(H) × 42.2°(V)	56°(H) × 42°(V)	Operating time	≥4 hours (with Wi-Fi off)
Temperature measurement range	-20°C~550°C	-40°C~400°C	USB	Type-C
Accuracy	±2°C or ±2% whichever is greater		Storage	32GB Micro SD card
Image modes	Thermal, Visual image, Fusion (T-Mix), PIP		Image/Video storage format	JPEG / AVI
On screen analyzer	5 Points/1 Line/3 Rectangles/3 Circles		Protection	IP54 & 2m
Isotherm	Auto/Manual		Certificates	CE, UKCA, FCC, RoHS
Hi/Lo temperature alarm	LCD animation, LED flashlight, Buzzer		Languages	EN, FR, DE, IT, ES, SV, PL, CZ
Hi/Lo temperature tracking	√		Weight	654g
Digital camera resolution	5MP		Dimension	260mm×97mm×99mm

Packing Details

Model	Product Size	Product Weight	Standard Qty Per Carton	Standard Carton Size	Standard Carton G.W.	FOB (USD) Without Tax	MSRP (USD) Without Tax
UTi720V	260mm×97mm×99mm	654g	1pcs	400mm×185mm×345mm	4kg	\$ 549	\$ 1099
UTi730V						\$ 689	\$ 1299

Standard Accessories

- Micro SD card
- Type-C USB cable
- Li-ion battery pack x2
- Quick Start Guide
- Documents Download Operation Guide

