

VICTOR VC328B

VICTOR VC328B Mobile Thermal Imager User Manual

Model: VC328B

INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your VICTOR VC328B Mobile Thermal Imager. Please read this manual thoroughly before using the device and retain it for future reference. The VICTOR VC328B is a compact, high-resolution thermal imaging camera designed for use with Android smartphones, offering advanced thermal analysis capabilities for various applications including industrial inspection, fault detection, and PCB analysis.

PRODUCT FEATURES

- Lightweight and portable design for mobile thermal analysis via a dedicated Android APP.
- Wide temperature measurement range: -15°C to 600°C.
- High temperature alarm with customizable thresholds.
- Display of user-defined temperature range screens, highlighting high-temperature regions.
- High and low temperature tracking functionality.
- Supports adding points, lines, and rectangular boxes for regional temperature measurement, including high/low temperature tracking and high temperature alarms.
- Durable aluminum alloy shell.



MOBILE PHONE PLUG-IN THERMAL IMAGER

Silicon glass lens germanium lens

Professional thermal analysis APP



Photo
Video



Multipoint/Line/Box
temperature
measurement



High and
low tracking



Focus on
any area



Temperature
alarm



High temperature
areas are highlighted



Low power
consumption



Precise
measurement

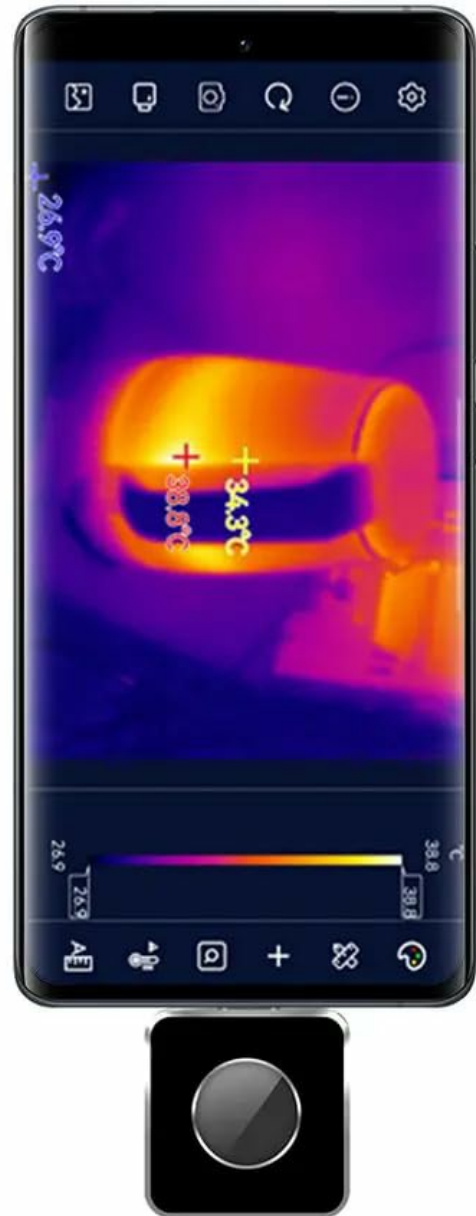


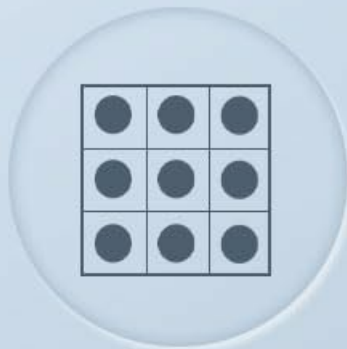
Image: Overview of the VICTOR Mobile Phone Plug-in Thermal Imager, showcasing its compact design and key functionalities such as photo/video capture, multipoint temperature measurement, high/low tracking, focus on any area, temperature alarm, and high temperature area highlighting.

SIX CORE FUNCTIONS^o

NEW ENHANCEMENT



Photo/Video



Multipoint/Line/Box
temperature measurement



High and low
temperature tracking



Focus on any area



Temperature alarm



High temperature
areas are highlighted

Image: Visual representation of the six core functions: Photo/Video, Multipoint/Line/Box temperature measurement, High and low temperature tracking, Focus on any area, Temperature alarm, and High temperature areas are highlighted.

SETUP AND INITIAL USE

1. **Download the APP:** Scan the QR code provided in the product packaging or search for the official "VICTOR Thermal Imager" app on your Android device's app store.

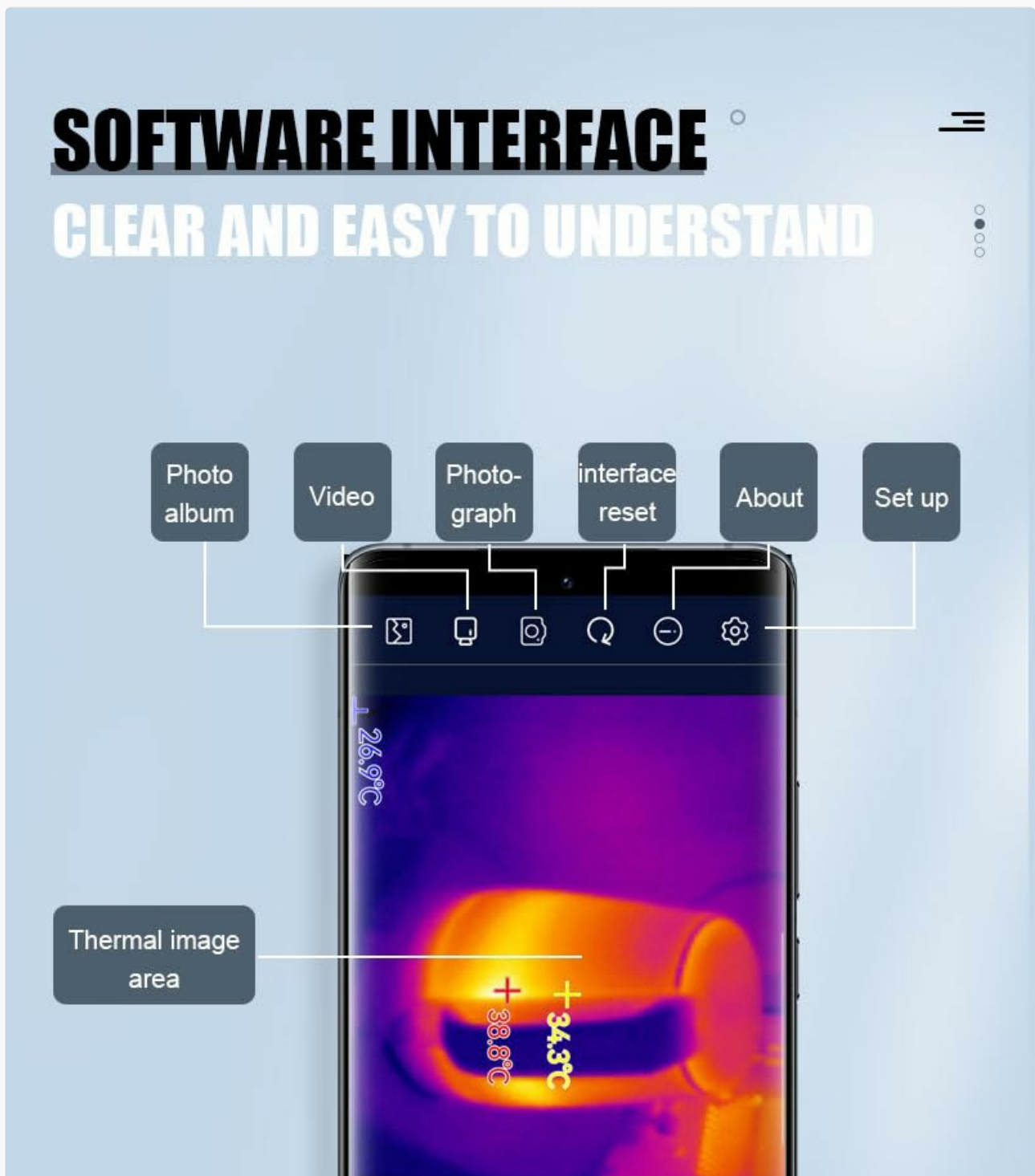
2. **Install the APP:** Follow the on-screen instructions to install the application.
3. **Enable OTG Function:** Ensure your Android phone has the OTG (On-The-Go) function enabled. This setting is usually found in your phone's system settings under "Connected devices" or "USB settings."
4. **Connect the Thermal Imager:** Plug the VICTOR VC328B thermal imager into your Android phone's USB-C port. The app should automatically detect the device and display the thermal image.

Your browser does not support the video tag.

Video: This video demonstrates the initial setup and basic operation of the VICTOR thermal imager. It shows how to scan a QR code to download the Android app, install it, plug in the thermal camera, and begin viewing thermal images. It also illustrates how to change language and temperature units, take pictures, and switch between different false color modes.

OPERATING INSTRUCTIONS

App Interface Overview



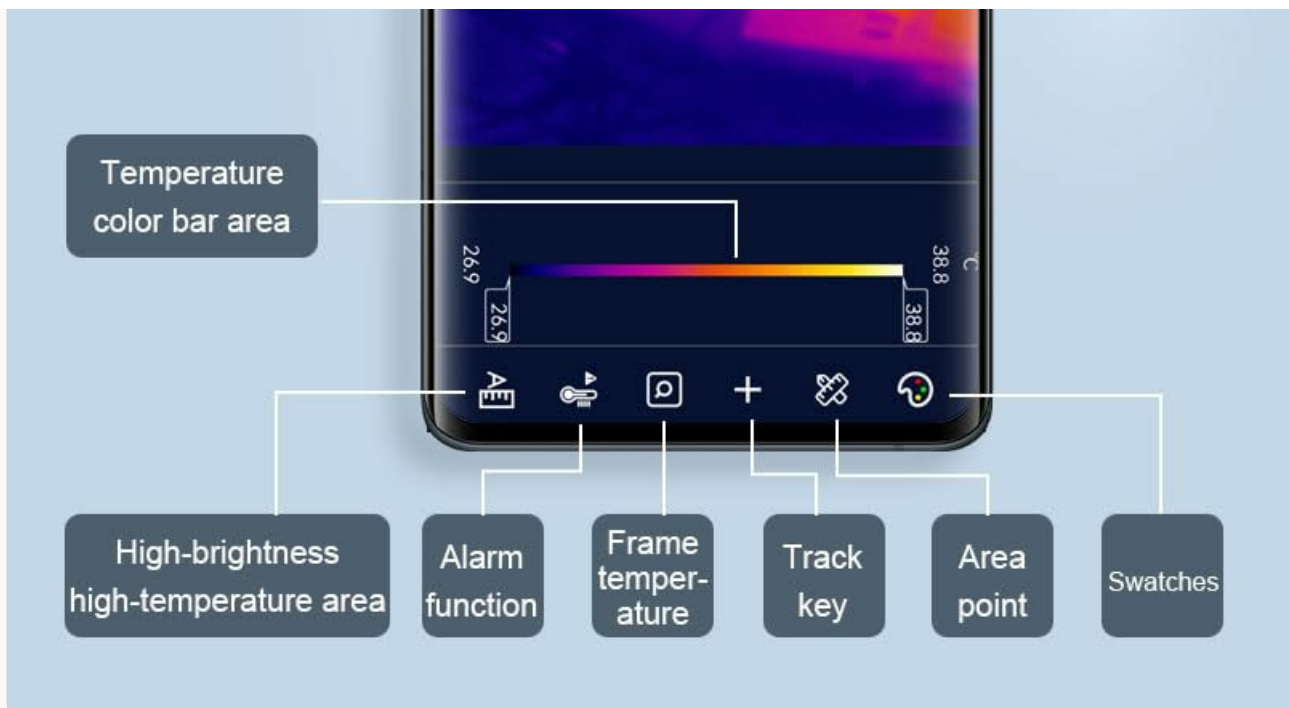


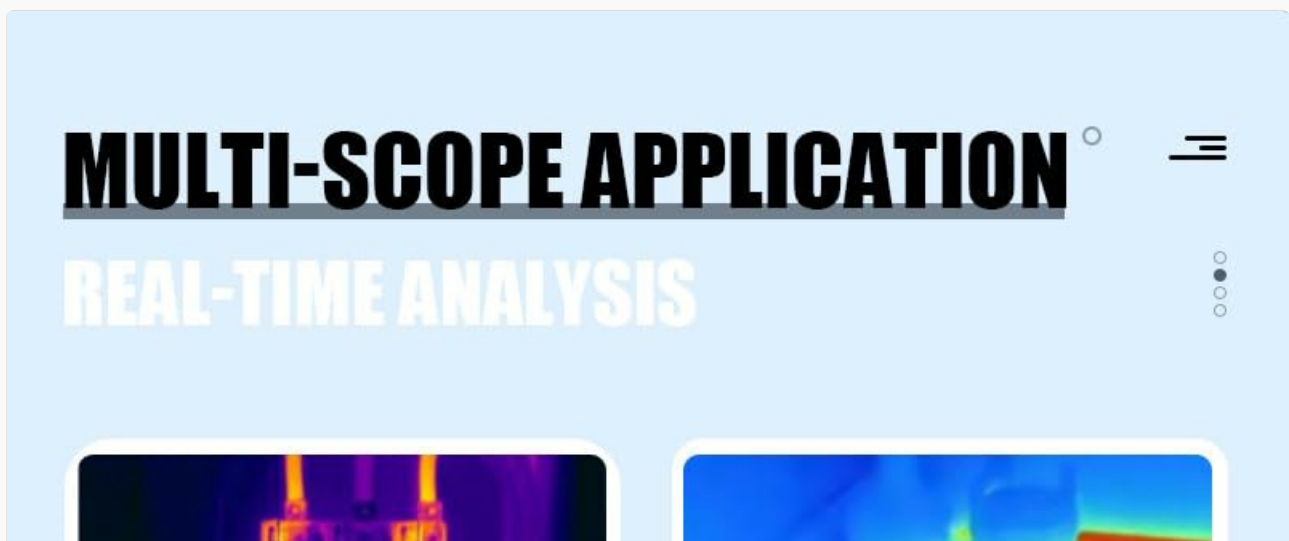
Image: Detailed view of the thermal imager's software interface, pointing out key elements such as the thermal image area, temperature color bar, high-brightness high-temperature area, alarm function, frame temperature, track key, area point, and color switches.

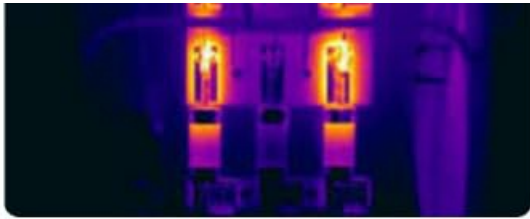
Basic Functions

- **Language and Temperature Unit:** Access the settings menu (gear icon) to change the display language (e.g., English) and temperature unit (Celsius, Fahrenheit, Kelvin).
- **Image Capture:** Press the camera icon to take a thermal image. Captured images are saved to the app's gallery.
- **Gallery Access:** Press the picture icon to view your saved thermal images and videos.
- **False Color Modes:** Use the color palette icon to cycle through various false color modes (e.g., Iron Red, Rainbow, White Hot, Black Hot) to visualize temperature differences more effectively.
- **Temperature Tracking:** The app automatically tracks high and low temperatures within the visible area. You can also add specific points, lines, or rectangular boxes for detailed regional temperature measurements.
- **High Temperature Alarm:** Set custom temperature thresholds for alarms. The device will alert you when temperatures exceed the set limit.

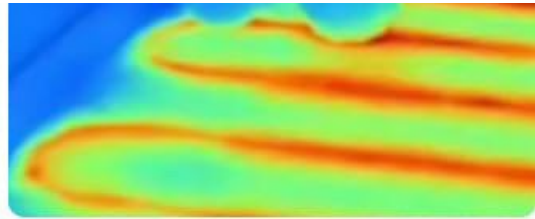
APPLICATIONS

The VICTOR VC328B thermal imager is suitable for a wide range of applications:

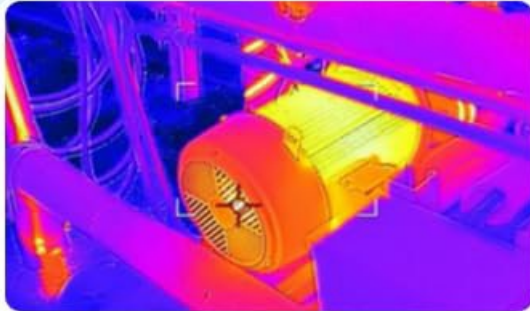




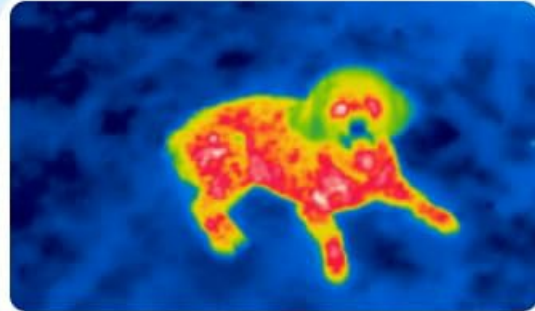
Line maintenance



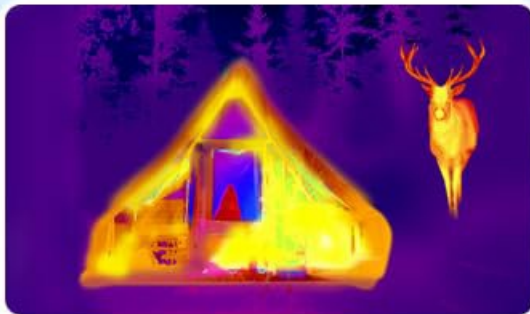
HVAC overhaul



Equipment maintenance



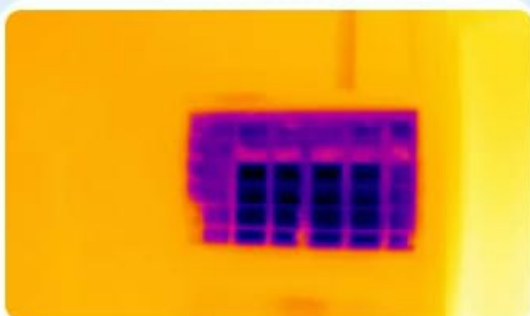
Pet search



Night vision



Anti-candid



Home maintenance



Car troubleshooting

Image: Examples of various applications including line maintenance, HVAC overhaul, equipment maintenance, pet search, night vision, anti-candid (security), home maintenance, and car troubleshooting.

SPECIFICATIONS

PARAMETER

Infrared thermal imaging		
Resolution	328A(160*120)	328B(256*192)
Working wavelength	8~14 μm	
Frame rate	25Hz	
NETD	<50mK @26℃	
Field of view	328A(35°*27°)	328B(56°*42°)
Lens	3.2mm	
Measuring range	-15℃~600℃	
Precision	±2℃ or ±2%	
Temperature measurement	The highest point, the lowest point, the center point temperature measurement and the regional temperature measurement	
Swatches	6	
Universal		
Language	Chinese /English	
Operating temperature	-10℃ ~ 75℃	
Storage temperature	-45℃ ~ 85℃	
Water proof	IP54	
Product Size	34mm x 26.5mm x 15mm	
Product weight	19g	

Image: A table detailing the technical parameters for both VICTOR 328A and 328B models, including resolution, working wavelength, frame rate, NETD, field of view, lens, measuring range, precision, temperature measurement methods, color swatches, language options, operating temperature, storage temperature, waterproof rating, product size, and product weight.

VICTOR VC328B Technical Specifications

Parameter	Value (VC328B)
Resolution	256 * 192

Parameter	Value (VC328B)
Working Wavelength	8~14 μm
Frame Rate	25Hz
NETD	<50mK @26°C
Field of View	56° * 42°
Lens	3.2mm
Measuring Range	-15°C~600°C
Precision	±2°C or ±2%
Temperature Measurement	Highest point, lowest point, center point, regional measurement
Color Swatches	6
Language	Chinese / English
Operating Temperature	-10°C ~ 75°C
Storage Temperature	-45°C ~ 85°C
Waterproof Rating	IP54
Product Dimensions	34mm x 26.5mm x 15mm
Product Weight	19g

Note: The VC328A model has a resolution of 160*120 and a field of view of 35° x 27°.



328A

160*120

35° x 27°

328B

256*192

56° x 42°

Image: A visual comparison highlighting the resolution differences between the VICTOR 328A (160x120) and 328B (256x192) models, along with their respective fields of view.

MAINTENANCE AND CARE

- Keep the thermal imager clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Store the device in a cool, dry place when not in use.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel if maintenance is required.

TROUBLESHOOTING

- **Device not detected:** Ensure OTG function is enabled on your phone. Check the USB connection. Restart the app or your phone.

- **App not displaying thermal image:** Verify the device is securely connected. Close and reopen the app. Check for app updates.
- **Inaccurate temperature readings:** Ensure the lens is clean. Calibrate the device if an option is available in the app (refer to app settings).

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

© 2023 VICTOR. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Submit question