

Blackview BL9000Pro Blackview Rugged Phone 24Y-Q

Blackview BL9000 Pro 5G Rugged Smartphone User Manual

Model: BL9000Pro Blackview Rugged Phone 24Y-Q | Brand: Blackview

1. INTRODUCTION

This manual provides comprehensive instructions for the Blackview BL9000 Pro 5G Rugged Smartphone. Designed for durability and high performance, this device features advanced thermal imaging capabilities, a powerful processor, and robust construction to withstand challenging environments. Please read this manual thoroughly to ensure proper use and maintenance of your device.

2. SETUP

2.1 Package Contents

- Blackview BL9000 Pro 5G Smartphone
- USB Cable
- (Other accessories may vary by region or package)

2.2 SIM Card and Storage Installation

The BL9000 Pro supports dual card slots, accommodating 2 nano SIM cards or 1 nano SIM card and 1 micro SD/TF card (SIM/SD cards not included). Ensure the device is powered off before inserting or removing cards.

1. Locate the SIM card tray on the side of the device.
2. Use the provided SIM ejector tool to open the tray.
3. Carefully place the nano SIM card(s) and/or micro SD card into the designated slots.
4. Gently push the tray back into the device until it is flush.

2.3 Initial Power On and Setup

Press and hold the power button until the Blackview logo appears. Follow the on-screen prompts to complete the initial setup, including language selection, Wi-Fi connection, and Google account sign-in.

3. OPERATING INSTRUCTIONS

3.1 Basic Phone Functions


- **Making Calls:** Open the Phone app, dial the number, and press the call icon.
- **Sending Messages:** Open the Messages app, start a new conversation, enter recipient and text, then send.
- **Internet Connectivity:** Connect to Wi-Fi via Settings > Network & internet > Wi-Fi, or enable mobile data via Settings > Network & internet > Mobile network.

3.2 Display Features

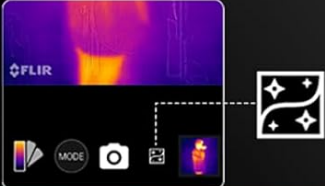
The Blackview BL9000 Pro features a 6.78-inch 2.4K FHD+ display with a 120Hz dynamic refresh rate for smooth visuals. It also includes TÜl;V SÜl;D Low Blue Light certification and three eye-care modes to reduce eye strain.


The Latest Thermal Imaging

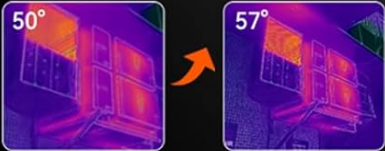
Backed by FLIR® Lepton 3.5





Next-level imaging with VividIR™




Wider Horizontal FOV





160x120
4X Higher Thermal Resolution




MyFLIR® Pro

Cutting-edge Thermal Imaging App




Isotherm



Temperature Warning Alerts

Pinpoint Problem Areas & Generate Reports



< 50mK

Increased Thermal Sensitivity



-10°C to +400°C

Thermal Sensing Range



Teledyne FLIR Mobile SDK Support

Convenient for further development by Android/iOS users




Single Point


Horizontal/Vertical Line


All-new Customizable Square Area


All-new Customizable Circular Area

Image: The 6.78-inch 2.4K FHD+ display with 120Hz refresh rate.

Greet the Day Fully Charged in Minutes

Overnight charging is a thing of the past. With the BL9000 Pro's 120W super-fast charging, you can completely recharge your phone in just a quick morning break.

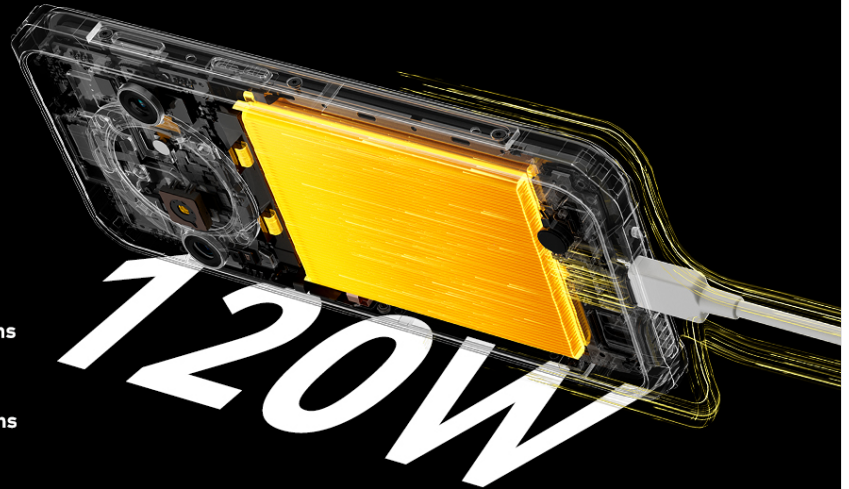
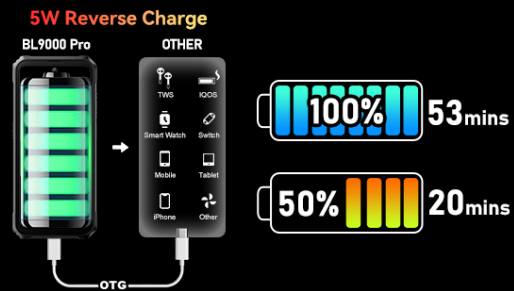


Image: Detailed specifications of the display, highlighting 120Hz refresh rate and eye-care features.

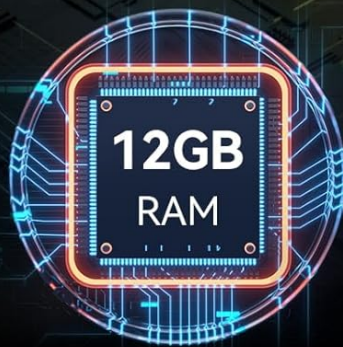
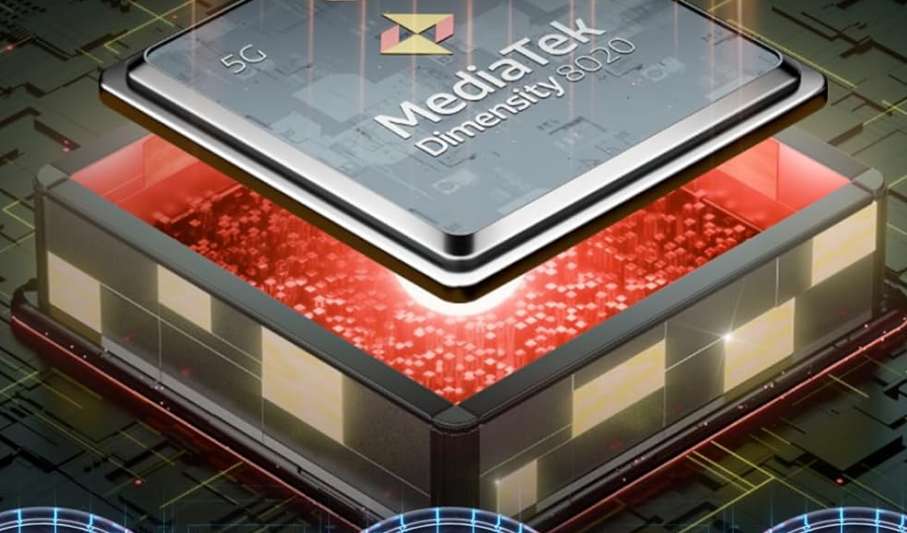
3.3 Camera System

The device is equipped with a 50MP True-Color Front camera and a pro-grade 50MP Anti-shake Rear camera, alongside a 13MP 120° Ultra-wide & Ultra-macro camera. It supports 4K video recording and various modes like Underwater Mode, Night Mode, and Pro mode.

MediaTek Dimensity 8020

9-core GPU, 6nm TSMC, up to 2.6GHz

5G



+

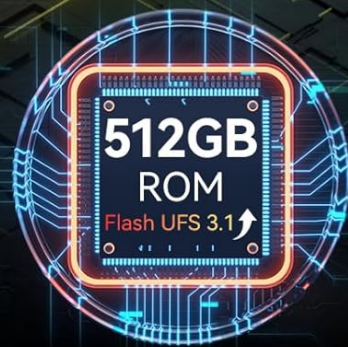


Image: Overview of the camera specifications and features, including OIS Anti-shake.

Android 14

Seamless Operations

All-new DokeOS 4.0 Based on Android 14

Workspace App

Distinctly separate work and personal

EasyShare App

7.7MB/s, 60x Faster than Wireless BT

Atomized Memory 2.0

5%-9% More RAM Available

F2FS App Start-up

25% App Start-up

Smart Pre-Loading

23% Start-up Speed

Focus Mode

No-play/Meditation/Work & Sport & Read Mode

Focus Computing

35% Not charging

Focus On The Priorities

Performance mode, Battery Saver, Super power saving, Battery percentage, Charging protection

Real-time Subtitle

Hear it. See it. Understand it

Live Caption

SHARK 8 can produce real-time accurate subtitles for you instantly.

Health APP

Running/Brisk walking Cycling/Consumption (kcal)

0 /6000 steps, 0.0 /100.0 kcal, 0 /30 minutes

Image: Additional camera modes and capabilities.

3.4 FLIR Thermal Imaging

The BL9000 Pro integrates the latest FLIR Lepton 3.5 thermal imaging camera, offering quadrupled resolution and an expanded 57° field of view. It supports simultaneous measurement and analysis at multiple points and can generate readable reports.

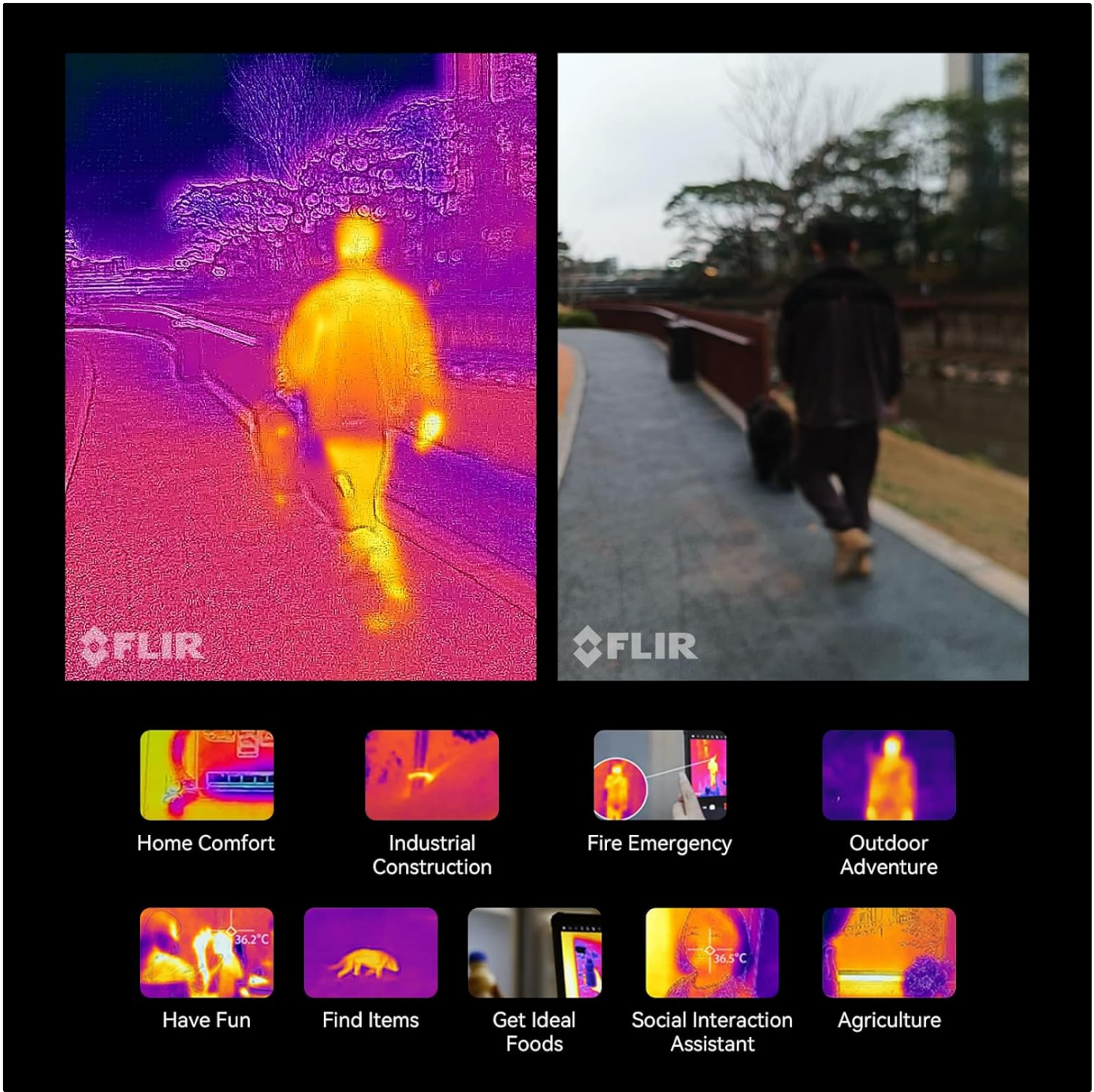
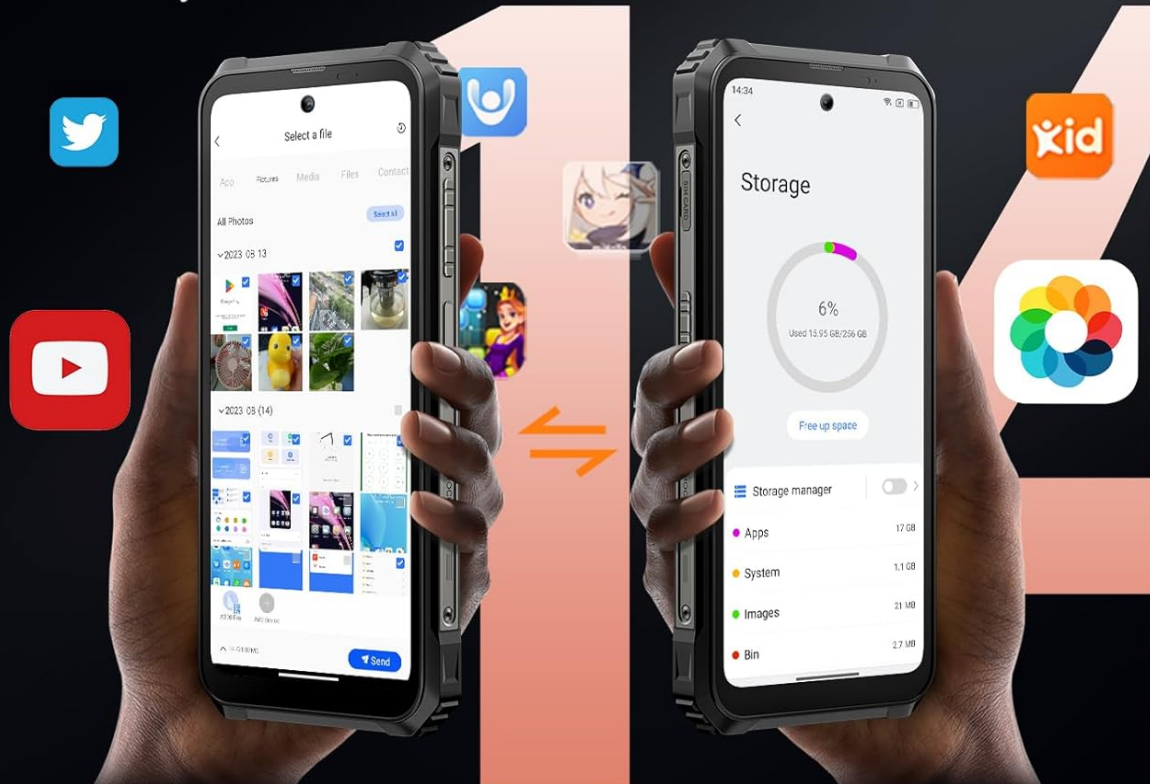


Image: Examples of thermal imaging applications.

Android 14 Doke OS 4.0

Share your favorite music, videos, or photos instantly, regardless of your location, even when there's no network connection



Always Easy, Everywhere You Go

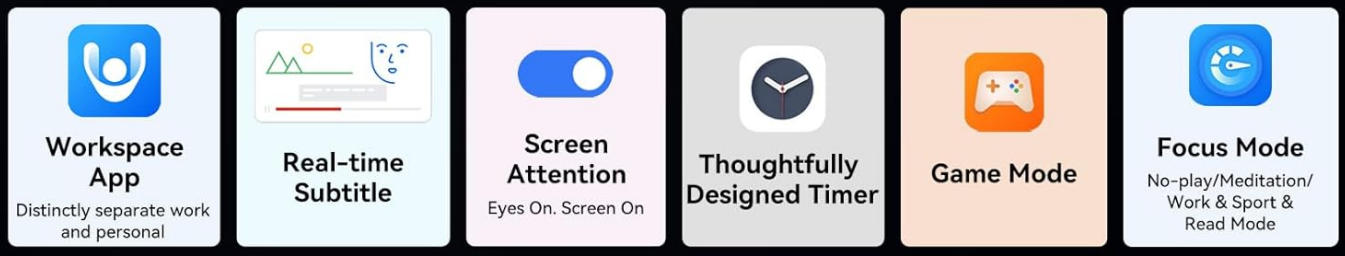


Image: Key features of the FLIR thermal imaging system.

Your browser does not support the video tag.

Video: Demonstration of the BL9000 Pro's FLIR thermal imaging capabilities, including temperature measurement and report generation.

3.5 Performance and Storage

Powered by the TSMC's 6nm octa-core MediaTek Dimensity 8020 5G processor, the BL9000 Pro offers smooth performance. It comes with 36GB RAM (12GB physical + 24GB virtual) and 512GB ROM, supporting up to 49 background applications simultaneously.

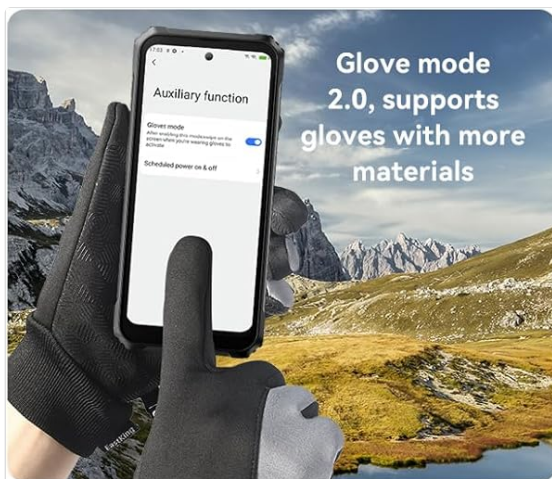


Image: Visual representation of the phone's powerful processor, RAM, and ROM.



Image: Details on performance enhancements and energy saving features.

3.6 Battery and Charging

Equipped with an 8800mAh solid-state battery, the BL9000 Pro supports 120W super-fast charging, reaching 50% charge in just 20 minutes. It also features OTG (On-The-Go) functionality, allowing it to act as a power bank for other devices.

50MP Dual Camera, Dual 4K Recording

Capture Brilliance, Twice Over



50MP
Selfie Camera

Thermal Imaging
FLIR Lepton 3.5

13MP
Ultra-wide &
Ultra-macro Camera

50MP
ISOCELL GN5
OIS Anti-shake Camera

ArcSoft 8.0

- 4K Video Beauty Mode
- Improved HDR 2.0
- True-Chorma Image 2.0
Night Mode
- 360°Panorama Mode
- Underwater Camera

OIS Anti-shake
Ready, Steady, Action

ON



Blackview BL9000 Pro

OFF



Image: Battery capacity and fast charging capabilities.

Top-tier MiraVision Tech

Visualize Every Detail in Striking Clarity

Indulge in the breathtaking visuals of BL9000 Pro, powered by MediaTek MiraVision technology, which offers a crystal-clear, eye-friendly screen, making it perfect for extended periods of streaming, gaming, and online exploration



Without MiraVision



With MiraVision

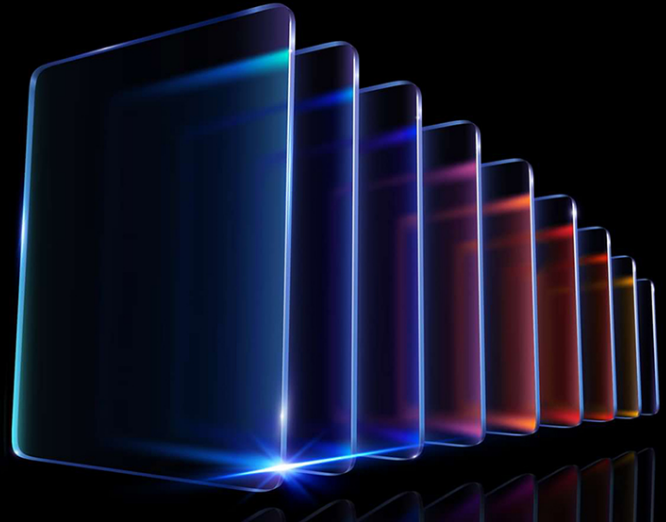


Image: Illustration of 120W fast charging and reverse charging.

3.7 Software and User Experience

Running on Android 14 with Doke OS 4.0, the BL9000 Pro offers enhanced privacy protection, per-app language preferences, and improved UI. Features include EasyShare for fast data transfer, call recording, exercise index tracking, and real-time subtitles for videos.

6.78-inch 2.4K FHD+ Display

Cinematic Magic. as Natural as Breathing



2.4K

6.78-inch FHD+ Display

120Hz Smart
Dynamic Refresh rate
60/90/120Hz

120Hz

**CORNING® GORILLA®
GLASS 7(Victus®)**



86%

Screen to Body Ratio

1080*2460

Resolution

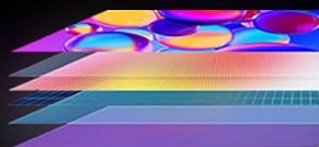


600 nit
Brightness



**TÜV SÜD Low Blue
Light Certified**

16.7 Million Colors



**IPS Full View
178°**

**Multi-touch
10-point**

**Top-tier
MiraVision Tech**

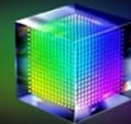


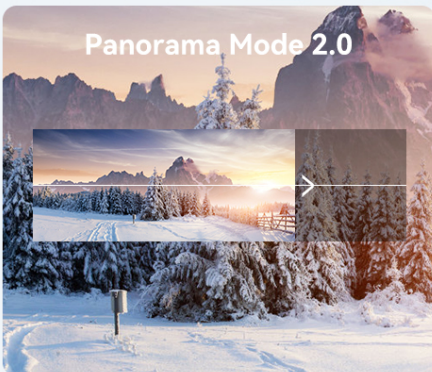
Image: Overview of Android 14 and Doke OS 4.0 features.

**Arcsoft 8.0
Algorithms**

18%

Upgrade

Panorama Mode 2.0



Underwater Camera



True-Color



13MP Camera for 120° Ultra-wide



Image: Detailed features of the Doke OS 4.0 system.

3.8 Durability and Additional Features

The BL9000 Pro is built with CORNING GORILLA GLASS 7 and holds IP68 & IP69K professional military-grade waterproof certification, along with MIL-STD-810H drop-proof certification. It can withstand drops from up to 5m and remain waterproof for up to 1.5m deep for 30 minutes. Other features include Fingerprint Recognition, Face ID, NFC for payments, Glove mode, and comprehensive GPS navigation (GPS, Beidou, GLONASS, Galileo).



Image: Certifications for water, dust, and drop resistance.



Image: Comprehensive overview of durability and utility features.



Image: Connectivity and navigation features.

3.9 Network Compatibility

The Blackview BL9000 Pro supports 5G networks and is compatible with GSM carriers such as T-Mobile, Movistar, Claro, Telcel, Bell Wireless, and Fido. It is not compatible with AT&T, Cricket, Verizon, Sprint, or Boost Mobile.



Image: Detailed list of supported network bands.

4. MAINTENANCE

4.1 Cleaning Your Device

Due to its rugged design, the BL9000 Pro can be cleaned with mild soap and water. Ensure all ports are securely closed before cleaning. Wipe with a soft, lint-free cloth. Avoid abrasive materials or harsh chemicals.

4.2 Software Updates

Regularly check for software updates via Settings > System > System update to ensure your device has the latest features, security patches, and performance improvements.

5. TROUBLESHOOTING

5.1 Common Issues

- **Device not powering on:** Ensure the battery is charged. Connect to the 120W fast charger.

- **Network connectivity issues:** Verify SIM card installation. Check network settings and ensure you are within a supported carrier's coverage area.
- **Apps crashing or freezing:** Clear app cache (Settings > Apps > [App Name] > Storage & cache > Clear cache). Restart the device. Ensure sufficient storage space.
- **Thermal camera not working:** Ensure the FLIR app is updated. Check for any physical obstructions on the thermal camera lens.

For more detailed troubleshooting or persistent issues, please refer to the official Blackview support resources or contact customer service.

6. SPECIFICATIONS

Feature	Specification
Model Name	BL9000Pro Blakcview Rugged Phone 24Y-Q
Operating System	Android 14 (Doke OS 4.0)
Processor	TSMC's 6nm Octa-core MediaTek Dimensity 8020 5G
RAM	36 GB (12GB physical + 24GB virtual)
Internal Storage	512 GB ROM (Flash UFS 3.1)
Display Size	6.78 Inches
Display Resolution	2408 x 1080 (2.4K FHD+)
Refresh Rate	120Hz Dynamic
Screen Protection	CORNING GORILLA GLASS 7 (Victus)
Rear Camera	50MP (OIS Anti-shake) + 13MP (120° Ultra-wide & Ultra-macro)
Front Camera	50MP True-Color
Thermal Imaging	FLIR Lepton 3.5
Battery Capacity	8800 mAh Lithium Polymer
Charging	120W Super-fast Charging
Durability Ratings	IP68, IP69K, MIL-STD-810H
Connectivity	Dual 5G SIM, Wi-Fi 6, NFC, GPS (GPS, Beidou, GLONASS, Galileo)
Audio	Dual Harman Kardon Smart-PA Speakers
Dimensions	7.8 x 7.76 x 1.85 inches
Item Weight	1.9 pounds

7. WARRANTY AND SUPPORT

Blackview offers a 2-year warranty for all Blackview phones. For smartphones, customers can enjoy a 24-month free repair warranty and lifetime technician support through the Blackview Official Flagship Store. Should any issues arise, please reach out to Blackview customer service for prompt assistance.



Image: Blackview's 2-year warranty and support details.