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› Blackview BV6600Pro Thermal Imaging Rugged Unlocked Phone User Manual

Blackview BV6600Pro

Blackview BV6600Pro Thermal Imaging Rugged Unlocked Phone User Manual

Model: BV6600Pro | Brand: Blackview

1. INTRODUCTION

The Blackview BV6600Pro is a robust and versatile rugged smartphone designed for demanding environments. It features integrated thermal imaging capabilities, a large battery, and a durable build to withstand water, dust, and drops. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1.1: Blackview BV6600Pro Thermal Imaging Rugged Phone

This device combines advanced smartphone functionality with specialized features for professionals and outdoor enthusiasts, including a powerful camera system, efficient performance, and comprehensive connectivity options.

2. WHAT'S IN THE BOX

Upon unboxing your Blackview BV6600Pro, please verify that all the following items are included:

- Blackview BV6600Pro Smartphone
- User Manual

- USB Cable (Type-C)
- SIM Tray Ejector Tool
- Power Adapter

3. PRODUCT OVERVIEW

3.1 Rugged Design and Durability

The BV6600Pro is engineered to endure harsh conditions, boasting IP68 and IP69K ratings for water and dust resistance, and MIL-STD-810G certification for drop-proof performance. Its robust construction ensures reliability in challenging environments.



Figure 3.1: Best-in-class Quality for Durability



Figure 3.2: Water, Dust, and Drop Resistance

3.2 Thermal Imaging (FLIR)

Equipped with a FLIR thermal imaging camera, the BV6600Pro allows you to visualize heat signatures, detect temperature differences, and identify potential issues not visible to the naked eye. This feature is invaluable for inspections, outdoor activities, and safety assessments.

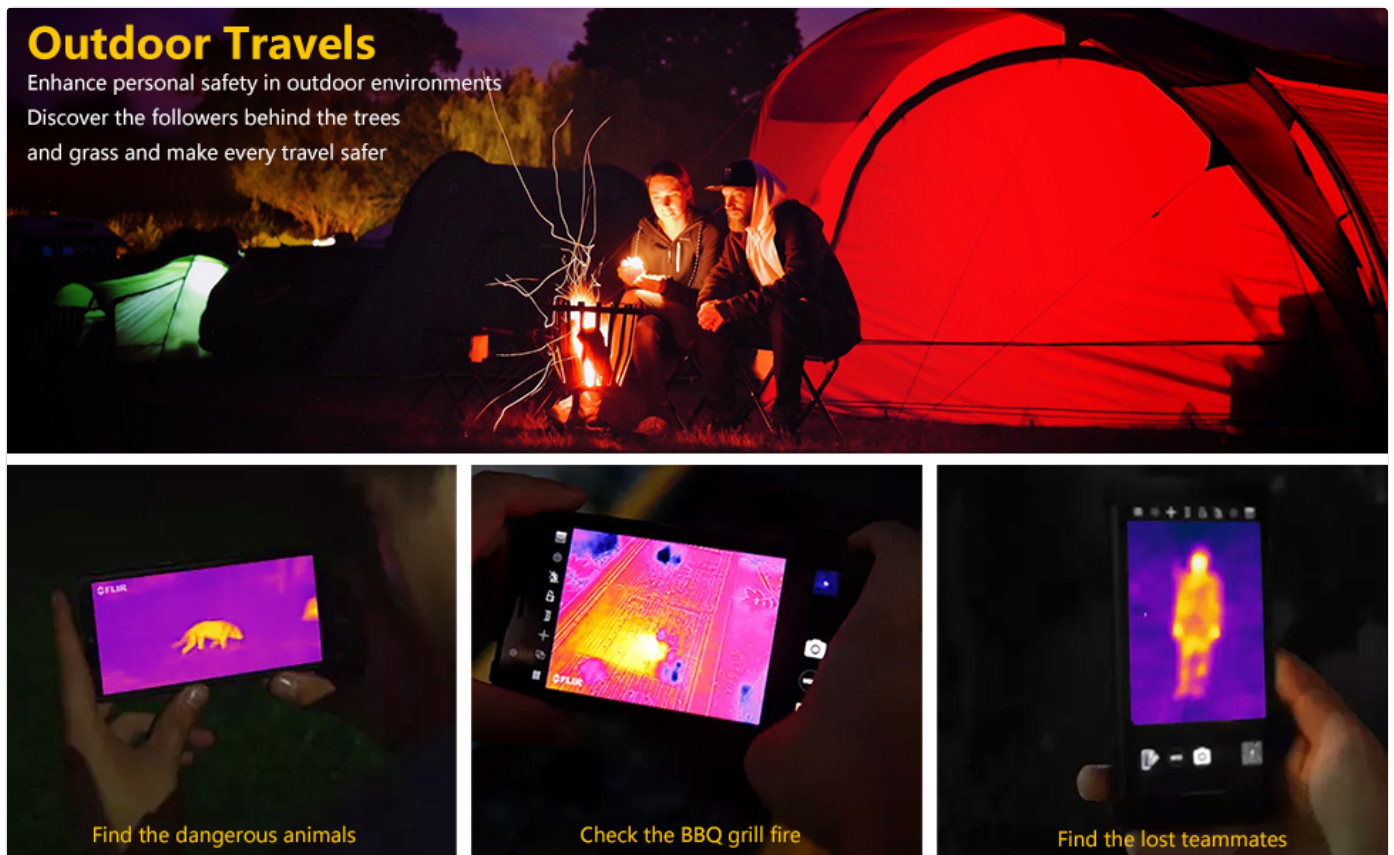


Figure 3.3: Thermal Imaging for Outdoor Use

Thermal Imaging for Potential fire Prevention

Find the potential electrical failures and avoid electrical fires

Care for safety of your family

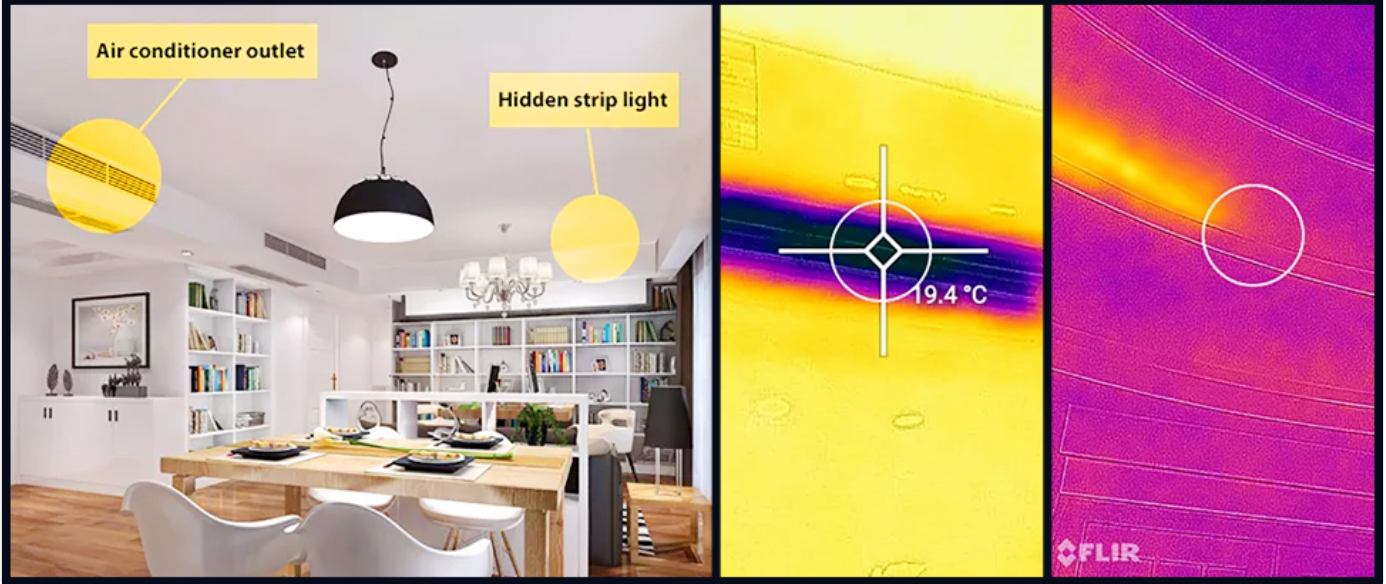


Figure 3.4: Thermal Imaging for Fire Prevention

3.3 Camera System

Capture clear photos and videos with the 16MP rear camera and 8MP front camera, suitable for various photography needs.

16MP rear camera & 8MP front camera
High-class camera for classy photography



8MP
front camera

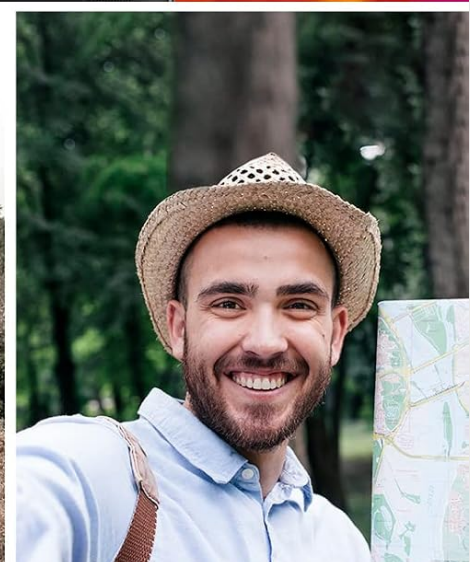
16MP
rear camera



PortraitColor
Stand out in the Monochrome world.



Mono
Get an antique look with a blend of surrealism and realism.



Beauty
Flawless beauty, perfect you.

Figure 3.5: 16MP Rear & 8MP Front Camera

3.4 Battery Life and Charging

The device features an impressive 8580mAh battery, providing extended usage times. It supports 18W fast charging (9V/2A) to quickly replenish power.



Figure 3.6: 8580mAh Battery & Fast Charging

8580mAh battery, everlasting productivity

The high capacity battery rugged smartphone is here--Blackview BV6600Pro, which offers the ultimate solution to meet daily usage request of cell phone's standby time



24H
Gaming



26H
Video



20H
Calling



24H
Music



240H
Standby



Figure 3.7: Extended Battery Life for Various Activities

3.5 Performance and Storage

With 4GB of RAM and 64GB of internal storage, expandable up to 128GB via a TF card (uses SIM 2 slot), the BV6600Pro offers smooth performance for daily tasks and ample space for your files.

4GB RAM + 64GB ROM

4GB+64GB large storage and Octa-core 1.8GHz processor allow you to enjoy a smooth mobile using experience

Octa-core

1.8GHz

MT6762V/WD

IMG GE8320 650MHz



Figure 3.8: 4GB RAM + 64GB ROM

3.6 Display

The 5.7-inch HD+ display provides a clear and immersive viewing experience for media and applications.

Enjoy 18:9 Wide View

With Blackview BV6600Pro phone's 18:9 screen, you will have a wider view and improve your video, games and operating experiences.

5.7"
HD+ Screen

18:9
Body Ratio

720*1440
Resolution



Figure 3.9: 5.7-inch HD+ Display

3.7 Connectivity and Operating System

The phone supports 4G Dual SIM, Wi-Fi, Bluetooth 5.0, NFC for convenient payments, and multiple global navigation systems (GPS, GLONASS, Beidou, Galileo). It runs on Android 11, offering a user-friendly interface and enhanced privacy controls.



Figure 3.10: Android 11 and Bluetooth 5.0



Figure 3.11: Dual 4G VoLTE, NFC, and Navigation

4. SETUP

4.1 Inserting SIM/MicroSD Card

To insert your SIM card(s) and/or MicroSD card:

1. Locate the SIM tray on the side of the phone.
2. Insert the SIM tray ejector tool into the small hole next to the tray and push gently until the tray pops out.
3. Place your Nano SIM card(s) and/or MicroSD card into the designated slots on the tray. Ensure they are correctly oriented.
4. Carefully push the tray back into the phone until it is flush with the device body.

Technical Details



Figure 4.1: SIM Card and Micro SD Card Slots

4.2 Powering On/Off

- **To Power On:** Press and hold the Power button (located on the side, often integrated with the fingerprint sensor) until the Blackview logo appears.
- **To Power Off:** Press and hold the Power button until the power options menu appears, then select 'Power off'.

4.3 Initial Configuration

Upon first power-on, follow the on-screen prompts to complete the initial setup, including:

- Selecting your language.
- Connecting to a Wi-Fi network.
- Setting up your Google account.
- Configuring security features like fingerprint unlock.

5. OPERATING THE DEVICE

5.1 Touchscreen Navigation

Navigate your device using standard Android touchscreen gestures:

- **Tap:** Select an item or open an app.
- **Swipe:** Scroll through screens or content.
- **Pinch:** Zoom in or out on images and web pages.
- **Long Press:** Access contextual menus or move icons.

5.2 Using the Thermal Camera

The integrated FLIR thermal camera can be accessed via its dedicated application. Launch the FLIR app to view thermal images and capture photos or videos. The app allows you to switch between different color palettes and adjust settings for optimal thermal visualization.

Your browser does not support the video tag.

Video 5.1: Blackview BV6600Pro Unboxing and Thermal Camera Demonstration

Note: While the thermal camera is a powerful tool, its resolution is designed for general purpose thermal detection rather than high-precision professional thermography. It combines thermal and visual images for better context.

5.3 Camera Usage (Photo/Video)

Open the standard Camera app to take photos and record videos. Explore various modes and settings for different shooting scenarios.

5.4 Connectivity (Wi-Fi, Bluetooth, Mobile Data)

- **Wi-Fi:** Access Wi-Fi settings from the Quick Settings panel or Settings app to connect to wireless networks.
- **Bluetooth:** Pair with Bluetooth devices like headphones or speakers via Settings > Connected devices > Bluetooth.
- **Mobile Data:** Ensure your SIM card is active and mobile data is enabled in Settings > Network & internet > Mobile network for internet access on the go.

5.5 NFC Functionality

Use the NFC (Near Field Communication) feature for contactless payments and quick data exchange with compatible devices. Enable NFC in Settings > Connected devices > Connection preferences > NFC.

5.6 GPS Navigation

The BV6600Pro supports multiple global navigation satellite systems (GPS, GLONASS, Beidou, Galileo) for accurate positioning and navigation. Utilize mapping applications for directions and location services.

6. MAINTENANCE

6.1 Cleaning

Wipe the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the screen or casing.

6.2 Water and Dust Resistance

While the BV6600Pro is highly resistant to water and dust, it is crucial to ensure all port covers are securely closed before exposing the device to liquids. After water exposure, thoroughly dry the device, especially the USB-C port, before charging or connecting accessories to prevent short circuits.

6.3 Battery Care

To maximize battery lifespan, avoid extreme temperatures and do not fully discharge the battery regularly. Use only the provided charger and cable for optimal charging performance.

7. TROUBLESHOOTING

7.1 Connectivity Issues (Bluetooth, Carrier)

- **Bluetooth Disconnections:** If Bluetooth devices frequently disconnect, try restarting the phone and the Bluetooth accessory. Ensure no aggressive battery optimization settings are interfering with background Bluetooth processes.
- **Carrier Compatibility:** The BV6600Pro supports specific network bands. If you experience issues with your carrier, first ensure your SIM card is activated on a compatible phone, then reinsert it into the BV6600Pro and restart. Verify your carrier's network bands align with the phone's specifications.

7.2 Performance Issues (Slowdown, App Closure)

- If the phone feels slow or apps close unexpectedly, check for any third-party battery optimization apps or aggressive built-in power management settings that might be closing background processes.
- Consider performing a factory reset if performance issues persist, but ensure you back up all important data first.

7.3 Fingerprint Reader Issues

If the fingerprint reader is unreliable, ensure your finger is clean and dry. Try re-registering your fingerprints in Settings > Security > Fingerprint. Ensure the sensor area is free from dirt or damage.

7.4 Thermal Camera Quality

The thermal camera is designed for general thermal detection. If the image quality seems poor or misaligned, ensure you are using it in appropriate conditions and understand its intended capabilities. It is not a high-precision professional thermal camera.

7.5 FM Radio Functionality

The BV6600Pro does not feature a traditional 3.5mm headphone jack, which is typically required for the FM radio antenna. While USB-C to 3.5mm adapters or USB-C headphones may be used, FM radio functionality with these accessories has been reported to be inconsistent or non-functional. This is a known limitation of the device's design.

8. SPECIFICATIONS

Detailed technical specifications for the Blackview BV6600Pro:

Feature	Specification
Product Dimensions	5.89 x 2.99 x 0.55 inches
Item Weight	1.48 pounds (670 Grams)
Item Model Number	BV6600Pro
Operating System	Android 11.0
RAM	4 GB
Memory Storage Capacity	64 GB
Screen Size	5.7 Inches
Resolution	720 x 1520
Battery Capacity	8580 Milliamp Hours
Wireless Communication Technologies	Cellular

Feature	Specification
Connectivity Technologies	Wi-Fi, Cellular
GPS	True
Human Interface Input	Touchscreen
Other Camera Features	Front
Audio Jack	3.5 mm (Note: Physical jack not present, refers to audio output capability)
Form Factor	Smartphone
Color	Black
Manufacturer	Blackview
Date First Available	November 1, 2021

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Blackview website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

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

Anonymous

Email

you@example.com

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

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

