

Manuals.plus /

- › DOOGEE /
- › DOOGEE V20 5G Rugged Smartphone Instruction Manual

## DOOGEE V20

# DOOGEE V20 5G Rugged Smartphone Instruction Manual

Model: V20 | Brand: DOOGEE

## 1. OVERVIEW

The DOOGEE V20 is a robust 5G rugged smartphone designed for durability and high performance. It features a vibrant 6.43-inch AMOLED DotDisplay, a versatile triple camera system including a 64MP main lens and a 20MP night vision camera, and a long-lasting 6000mAh battery. Built to withstand harsh environments, it boasts IP68, IP69K, and MIL-STD-810G certifications for water, dust, and shock resistance. The device runs on Android 11 and includes advanced features like NFC and a unique rear mini display for quick access to information and controls.



**DOOGEE**  
5G Rugged Phone  
with Trendy Design

# V20

Android 11.0 | 1.05 Inch MiniRear Display | SONY Night vision camera | NFC Support Google pay  
Dual 5G Net Work | 8GBRAM+256GB ROM | 6.43"AMOLED 2K+ Display | aerospace-grade Carbon Fiber Finish

Image: DOOGEE V20 5G Rugged Smartphone highlighting key features.

## 2. WHAT'S IN THE BOX

Upon unboxing your DOOGEE V20, you will find the following items:

- DOOGEE V20 5G Rugged Smartphone

- 33W PD Fast Charger
- USB-C to USB-C Cable
- OTG Cable (USB-C to USB-A Female)
- SIM Ejector Tool (White pry bar)
- Pre-applied Screen Protector (Tempered film)
- Extra Anti-explosion Film (Screen Protector)
- User Manual
- Warranty Card



Image: All accessories included in the DOOGEE V20 retail box.

Video: An unboxing demonstration of the DOOGEE V20 smartphone and its included accessories.

### 3. PHYSICAL OVERVIEW

The DOOGEE V20 features a robust design with a military-grade carbon fiber finish on the back and a sturdy metal frame. The device is built to be durable, with raised edges to protect the screen and camera module.

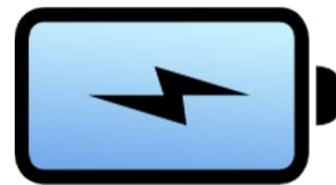
- **Back Panel:** Carbon fiber texture with DOOGEE branding.
- **Camera Module:** Prominently features the triple camera setup and the rear mini display.
- **Right Side:** Power button with integrated fingerprint sensor, and volume up/down buttons.
- **Left Side:** Sealed SIM/MicroSD card tray and a customizable Easy Key button.
- **Bottom:** Sealed USB-C charging port and a single speaker.
- **Front:** 6.43-inch AMOLED DotDisplay with a punch-hole front camera.



**Carbon Fiber**



**AMOLED**



**33W  
Fast Charge**



**Dual 5G  
Network**

**1.05 Inch Mini Display**



**64MP AI+ 20MP Night Version Camera**



Image: Front and back view of the DOOGEE V20 smartphone, showcasing its rugged design.



Image: Close-up of the DOOGEE V20's carbon fiber back panel.

## 4. SETUP

### 4.1 SIM and MicroSD Card Installation

1. Locate the SIM/MicroSD card tray on the left side of the device.
2. Use the provided SIM ejector tool (white pry bar) to carefully open the sealed tray.
3. Place your Nano-SIM card(s) and/or MicroSD card into the designated slots on the tray. The DOOGEE V20 supports either two Nano-SIM cards or one Nano-SIM card and one MicroSD card for expandable storage up to 512GB.
4. Carefully reinsert the tray into the device, ensuring it is properly sealed to maintain water and dust resistance.

## 5. OPERATING THE DEVICE

### 5.1 Rear Mini Display

The DOOGEE V20 features a 1.05-inch rear mini display, offering convenient access to essential information and controls without needing to flip the phone over. This full-color touch display can be customized with various themes.

- **Time and Date:** View current time and date.
- **Notifications:** Receive alerts for new messages and other notifications.
- **Music Control:** Play, pause, and skip tracks directly from the rear display.
- **Call Management:** Accept or reject incoming calls.
- **Battery Status:** Monitor the device's battery level.

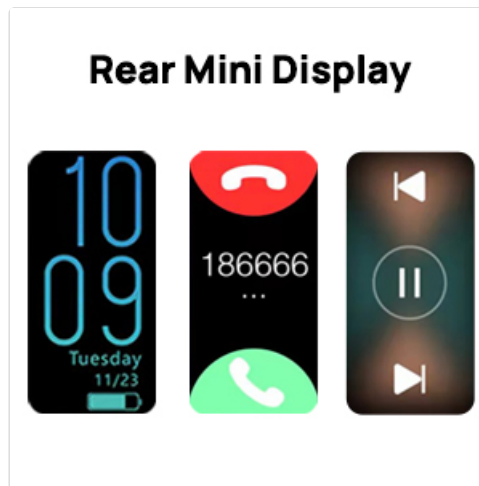


Image: Close-up of the DOOGEE V20's rear mini display showing time and battery status.

Video: Demonstration of the DOOGEE V20's AMOLED rear mini display functionality and customization.

## 5.2 Customizable Easy Key

The Easy Key, located on the left side of the device, is a programmable button that can be configured to perform various actions:

- **Single Click:** Launch a specific application (e.g., YouTube, Phone dialer).
- **Double Click:** Activate a function (e.g., screenshot, underwater camera mode).
- **Long Press:** Turn on the flashlight or trigger an SOS function.

To customize the Easy Key, navigate to **Settings > Easy Key** and select your desired actions for each press type.

## 5.3 Fingerprint and Face ID

The DOOGEE V20 offers secure and convenient unlocking methods:

- **Fingerprint Sensor:** Integrated into the power button on the right side. It provides fast and accurate unlocking. It can also be configured for additional functions like answering calls or returning to the home screen.
- **Face ID:** Unlock your device by simply looking at the front camera. This feature works efficiently even in low-light conditions with supplementary screen lighting.

# 6. CAMERA FEATURES

The DOOGEE V20 is equipped with a versatile triple AI camera system on the rear and a high-resolution front camera.

## 6.1 Rear Camera System

- **64MP Main Camera (Samsung S5KGW3):** Captures high-resolution photos with excellent detail. Features include HDR, Night Mode, and Panorama.
- **8MP Wide-angle Camera (Samsung S5K4H7):** Offers a 130° field of view, perfect for capturing expansive landscapes or group shots.
- **20MP Night Vision Camera (Sony IMX350):** Utilizes infrared sensors to capture clear black-and-white images and videos in complete darkness.
- **LED Flash:** Provides illumination for photos and acts as a powerful flashlight.

# 64MP

## 64MP AI Main Camera

F/1.8±5% Aperture  
90° FOV  
Support PDAF  
Supports 2 Rear Flashes

**8MP**  
Wide angle Camera

**20MP**  
Sony 20MP  
Night Version Camera

SONYR IMX350 Sensor chip  
F/1.8±5% Aperture  
80°FOV  
Supports 2 infrared night vision lights

**16MP**  
Front camera

Image: Close-up of the DOOGEE V20's triple rear camera setup.

## 6.2 Front Camera

- **16MP Front Camera (Samsung S5K3P9):** Ideal for high-quality selfies and video calls.

## 7. DURABILITY FEATURES

The DOOGEE V20 is engineered for extreme durability, making it suitable for demanding environments.

- **IP68 Rating:** Water and dust resistant, capable of submersion in water up to 1.5 meters for 30 minutes.
- **IP69K Rating:** Resistant to high-pressure, high-temperature water jets.
- **MIL-STD-810G Certification:** Military-grade durability against drops, shocks, vibrations, and extreme temperatures.
- **Corning Gorilla Glass:** Enhanced screen protection against scratches and impacts.



Image: Icon indicating IP68 waterproof rating for the DOOGEE V20.

Video: A demonstration of the DOOGEE V20's durability, including water and low-temperature resistance tests.

## 8. PERFORMANCE & BATTERY

The DOOGEE V20 delivers reliable performance and exceptional battery life.

- **Processor:** MediaTek Dimensity 700 Octa-Core chipset (2x Cortex-A76 @ 2.2GHz + 6x Cortex-A55 @ 2.0GHz).
- **GPU:** ARM Mali-G57 MC2.
- **RAM:** 8GB.
- **Internal Storage:** 256GB UFS2.2 (expandable up to 512GB via microSD card).
- **Battery:** 6000mAh Li-Ion battery.
- **Wired Charging:** 33W PD Fast Charge.
- **Wireless Charging:** 15W Wireless Charging support.
- **Battery Life:** Up to 2-3 days of normal use, 18 days standby, 28 hours of calling.



Image: The DOOGEE V20 highlighting its 6000mAh battery capacity.

## 9. SOFTWARE FEATURES

The DOOGEE V20 runs on Android 11, offering a smooth and responsive user experience with several useful built-in features.

- **Operating System:** Android 11.
- **NFC:** Supports contactless payments via Google Pay.
- **Digital Wellbeing:** Tools to monitor and manage your screen time.
- **Game Turbo:** Optimize gaming performance and manage notifications during gameplay.
- **Outdoor Tools:** Pre-installed applications such as Compass, Gradienter, Flashlight, Height Meter, Magnifier, Alarm Bell, Plumb Bob, Protractor, Noise Test, and Pedometer.

## 10. SPECIFICATIONS

Feature	Specification
Brand	DOOGEE
Model	V20
Screen Size	6.43 Inches
Resolution	2400x1080 (2K AMOLED)
Processor	MediaTek Dimensity 700 Octa-Core 2.2GHz
RAM	8GB
Internal Storage	256GB UFS2.2 (Expandable up to 512GB)
Main Camera	64MP AI (Samsung S5KGW3)
Night Vision Camera	20MP (Sony IMX350)
Wide-angle Camera	8MP (Samsung S5K4H7)
Front Camera	16MP (Samsung S5K3P9)
Battery Capacity	6000mAh
Wired Charging	33W PD Fast Charge
Wireless Charging	15W
Operating System	Android 11
Durability Ratings	IP68, IP69K, MIL-STD-810G
Dimensions	170.5mm x 81.2mm x 14mm
Weight	296g

## 11. TROUBLESHOOTING

If you encounter any issues with your DOOGEE V20, please try the following general troubleshooting steps:

- **Restart Device:** A simple restart can often resolve minor software glitches.
- **Check Connections:** Ensure all cables (charging, USB) are securely connected.
- **Software Updates:** Check for and install any available system updates via **Settings > System > System Update**.
- **Factory Reset:** As a last resort, you may perform a factory reset (back up your data first).

For more detailed troubleshooting, please refer to the comprehensive user manual included in the box or visit the official DOOGEE support website.

## 12. WARRANTY AND SUPPORT

Your DOOGEE V20 smartphone comes with a limited warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions regarding warranty coverage, duration, and service procedures. The warranty typically covers manufacturing defects but does not apply to damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

For technical support, warranty claims, or any other inquiries, please contact DOOGEE customer service through their official website or the contact information provided in your user manual. Ensure you have your product's model number and purchase details ready when contacting support.

