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## BEBANG DV1000

# BEBANG DV1000 Handheld Digital Microscope User Manual

Model: DV1000

## 1. INTRODUCTION

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The BEBANG DV1000 Handheld Digital Microscope is designed for exploring the microscopic world with ease. Featuring 100-1000X magnification, a 4K 2.0-inch adjustable screen, and the ability to capture photos and videos, this portable device is suitable for educational purposes and curious minds.

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## 2. WHAT'S IN THE BOX

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Verify that all items are present in the package:

- BEBANG DV1000 Handheld Digital Microscope
  - 32G SD Card
  - Charging Cable (USB Type-C)
  - User Manual
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## 3. PRODUCT OVERVIEW

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Familiarize yourself with the main components of your BEBANG DV1000 microscope.

# HD Clarity: 4K Resolution

Magnify Hidden Details with a 2-Inch Immersive Display



Image: The BEBANG DV1000 Handheld Digital Microscope with its screen open, displaying the lens, control buttons, and wrist strap.

## Key Components:

- **Microscope Lens:** The primary optical component for magnification.
- **2.0-inch Adjustable Screen:** Displays the magnified view. Can be tilted 0-90 degrees for optimal viewing.
- **Control Buttons:** Power, Zoom In/Out, Photo/Video Capture, Album Access.
- **Focusing Wheel:** Adjusts the magnification and clarity of the image.
- **LED Lights:** Provides illumination for specimens, with adjustable brightness.
- **Wrist Strap:** For secure handling and portability.
- **USB Type-C Port:** For charging and PC connection.
- **SD Card Slot:** For inserting the included 32GB SD card to store media.

## 4. SETUP

## 4.1 Charging the Device

Before first use, fully charge the microscope. Connect the provided USB Type-C charging cable to the microscope's charging port and a compatible USB power source (e.g., laptop, power bank, USB adapter, car charger). The battery indicator on the screen will show charging status.



Image: A close-up of the microscope, highlighting the USB-C charging port and the charging cable connection.

## 4.2 Inserting the SD Card

The microscope comes with a 32GB SD card for storing photos and videos. Locate the SD card slot on the device and gently insert the card until it clicks into place. Ensure the card is inserted in the correct orientation.

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# 5. OPERATING INSTRUCTIONS

## 5.1 Power On/Off

- To power on, press and hold the **Power button** (usually marked with a universal power symbol) until the screen illuminates.
- To power off, press and hold the **Power button** again until the screen turns off.

# Up to 1000X magnification

Large Focusing Wheel for Easy Use – Perfect for Ages 4-12 Budding Scientists!



Image: A detailed view of the microscope's side panel, showing the power, zoom, and capture buttons.

## 5.2 Adjusting the Screen

The 2.0-inch screen can be tilted from 0 to 90 degrees. Gently adjust the screen to your preferred viewing angle for comfort and to reduce glare, especially in bright conditions.

## 5.3 Focusing and Magnification

The microscope offers 100-1000X magnification. To focus and adjust magnification:

1. Point the microscope lens at the object you wish to observe.
2. Turn the **Focusing Wheel**. You will first encounter a lower magnification.
3. Continue turning the **Focusing Wheel** to achieve higher magnification levels and bring the image into sharp focus.

# Explore Anything: Focus & Discover!



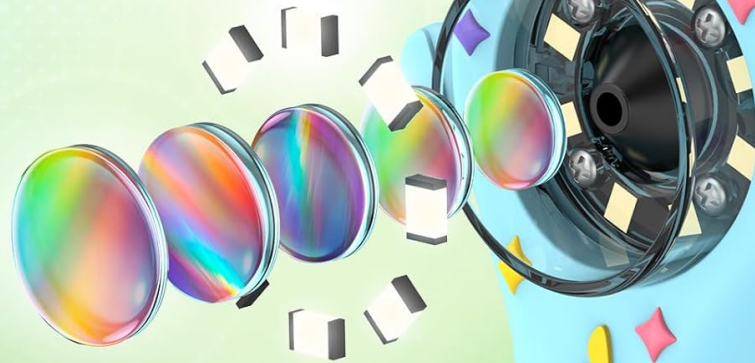
Image: A child holding the BEBANG DV1000 microscope and observing a plant, demonstrating the handheld use.

## 5.4 Adjusting LED Illumination

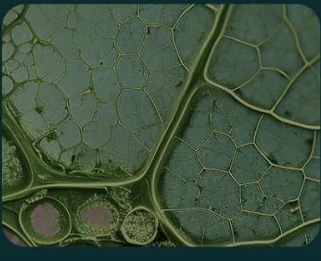
The microscope features built-in LED lights to illuminate your specimens. Use the dedicated button (often marked with a light bulb symbol or integrated with zoom controls) to cycle through different brightness levels or turn the lights on/off. There are typically 3 brightness levels.

# HD Lens / Upgraded 8 LED Bulbs

**7.5K White Light**– Reveal  
True Colors of Micro Worlds



0%



50%



100%



Image: A close-up view of the microscope's lens surrounded by LED lights, illustrating the illumination feature.

## 5.5 Capturing Photos and Videos

The 2MP camera and microphone allow you to document your discoveries:

- To take a photo, press the **Photo button** (often marked with a camera icon).
- To record a video, press the **Video button** (often marked with a video camera icon). Press again to stop recording.
- All captured media is saved to the installed 32GB SD card.

## 5.6 Viewing Saved Media

To access your saved photos and videos, press the **Album button** (often marked with a gallery or picture icon). Use the navigation buttons (up/down or left/right) to browse through your media.

## 5.7 Connecting to a PC (PC Cam Mode)

You can connect the microscope to a computer via the USB Type-C cable to view live images or transfer files:

- Connect the microscope to your PC using the USB Type-C cable.
- The microscope should be recognized as a webcam or storage device.

- Open a compatible camera application or file explorer on your computer to view the live feed or access stored media.

## Built-In Rechargeable Battery 2-Hour Exploration Time

Fast Type-C Charging – USB Charging Cable Included



Image: The BEBANG DV1000 microscope connected to a laptop, showing a magnified image of a specimen on the larger screen.

## 6. MAINTENANCE

### 6.1 Cleaning

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive materials or harsh chemicals.
- **Screen:** Wipe the screen gently with a soft, dry cloth. Avoid pressing too hard.
- **Body:** Clean the microscope body with a slightly damp cloth and mild soap if necessary. Ensure no moisture enters the ports or openings.

### 6.2 Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Charge the device regularly, even if not in use for extended periods.
- Store the microscope in a cool, dry place when not in use.

### 6.3 Storage

When not in use, store the microscope in a protective case or a safe place to prevent damage from drops or impacts. Keep it away from extreme temperatures and humidity.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; device malfunction.	Charge the device fully. If issue persists, contact support.
Image is blurry.	Improper focus; dirty lens; object too far/close.	Adjust the focusing wheel. Clean the lens. Ensure the object is within the optimal focal range.
Cannot capture photos/videos.	SD card full or not inserted correctly; device error.	Check SD card insertion. Delete unnecessary files or replace SD card. Restart the device.
Screen is dim or flickering.	Low battery; brightness setting; screen damage.	Charge the device. Adjust screen brightness using controls. If damaged, contact support.

## 8. SPECIFICATIONS

Feature	Detail
Model Name	DV1000
Magnification Maximum	1000 x
Screen Size	2.0 inches (4K Clarity, 1080P detail)
Camera Resolution	2 MP
Light Source Type	LED (Dimmable)
Battery Type	1 Lithium Ion battery (included)
Charging Port	USB Type-C
Storage	32G SD Card (included)
Item Weight	9.1 ounces
Material	Plastic
Color	Cyan

Feature	Detail
Compatible Devices	Laptop, Smartphone (via USB)

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## 9. OFFICIAL PRODUCT VIDEO

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Video: An overview of the BEBANG DV1000 Handheld Digital Microscope, showcasing its features and ease of use for children.

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## 10. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included with your product or visit the official BEBANG website. Keep your purchase receipt for warranty claims.