

## GOCHIFIX DM9

# GOCHIFIX DM9 7-inch LCD Digital Microscope Instruction Manual

## 1. INTRODUCTION

Thank you for choosing the GOCHIFIX DM9 7-inch LCD Digital Microscope. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read it thoroughly to ensure optimal performance and longevity of your microscope.

The GOCHIFIX DM9 features a rotatable 7-inch HD LCD screen, offering continuous 10-1200X magnification for detailed observation. Equipped with 8 main LED lights and 2 flexible gooseneck side lights, it ensures clear illumination for various objects. It supports PC connection for Windows and Mac OS, allowing for larger real-time viewing and data sharing. A 32GB Micro SD card is included for convenient photo and video capture.

## 2. WHAT'S IN THE BOX

Carefully unpack all components and verify that you have received the following items:

- 1x GOCHIFIX Microscope
- 1x Remote Control
- 1x USB Cable
- 1x 32GB Micro SD Card
- 1x User Manual
- 1x Microscope Calibration Ruler

# 7 inch 1080P Screen Display



7Inch



High Resolution



Aspect Ratio



Rotation Angle



Figure 2.1: All components included in the GOCHIFIX DM9 package.

## 3. PRODUCT FEATURES

- **Rotatable 7-inch LCD Screen:** The built-in 7-inch HD screen provides a larger, clearer, and higher magnification view compared to smaller screens. It can be rotated for optimal viewing angles.
- **Continuous 10-1200X Magnification:** Observe intricate details with a magnification range from 10X to 1200X. Note that actual magnification may vary based on screen size and observation distance. This microscope is designed for industrial and hobby use, not for professional biological observation of cells.
- **10 LED Lights (8 Main + 2 Side):** Features 8 adjustable main LED lights around the lens and 2 flexible gooseneck side lights. These lights allow for precise brightness adjustment to create an ideal observing environment.
- **PC View Compatibility:** Connect the microscope to a Windows or Mac OS computer for real-time viewing on a larger display. Download the 'HIVIEW' software from the respective app store to enable photo and video functions on your computer.
- **32GB Micro SD Card:** A Micro SD card is included for saving numerous photos and videos directly from the microscope. Easily switch between 'Photographing', 'Video Recording', and 'Playback' modes using the menu button.

## 4. SETUP

Follow these steps to assemble your GOCHIFIX DM9 Digital Microscope:

1. Attach the main microscope unit to the adjustable bracket. Ensure it is securely fastened using the provided screws.
2. Insert the adjustable bracket into the base. Tighten the nut underneath the base to secure the bracket.
3. Connect the remote control cable to the 'KEY' port on the side of the microscope screen.
4. Connect the USB power cable to the 'DC5V' port on the microscope screen and plug the other end into a suitable USB power source (e.g., a phone charger adapter or computer USB port).
5. Insert the 32GB Micro SD card into the 'TF' slot on the side of the microscope screen.
6. Remove the lens cap from the microscope objective. If desired, attach the light shield by twisting it onto the objective lens.
7. Adjust the screen angle and height for comfortable viewing using the knobs on the bracket.

### Screen Angle and Height Adjustment

Easy adjustment without jamming

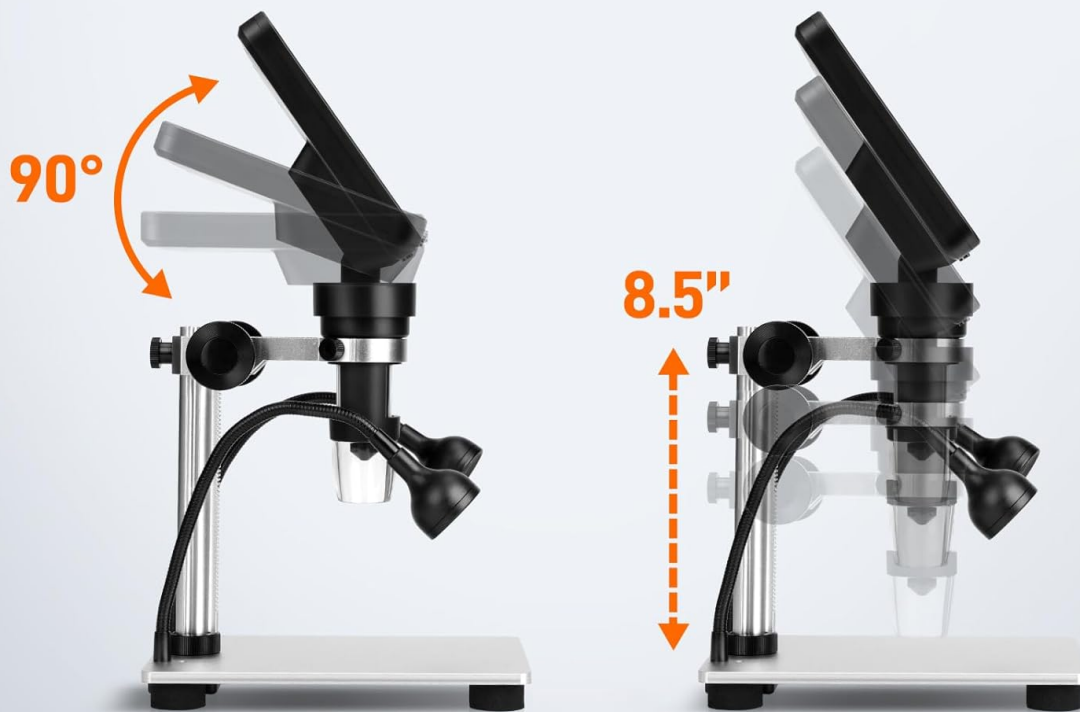


Figure 4.1: Screen angle and height adjustment.

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Video 4.1: This video demonstrates the unboxing, assembly, and initial operation of the GOCHIFIX DM9 7-inch LCD Digital Microscope, including a review of its features and capabilities.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

Press and hold the power button located on the microscope screen for 3 seconds to turn the device on or off. The indicator light will illuminate when powered on.

### 5.2 Focus and Magnification Adjustment

Rotate the focus wheel on the microscope objective to bring your object into clear view. Adjust the height of the microscope unit on the stand using the side knobs for broader magnification changes.



Figure 5.1: Example of 10x-1200x magnification on a coin.

### 5.3 Light Adjustment

The 8 main LED lights around the objective lens provide primary illumination. The 2 flexible gooseneck side lights can be positioned as needed. Use the rotating wheel on the base to adjust the brightness of the auxiliary lights.





Figure 5.2: Adjustable 8 LED lights and 2 fill lights.

#### 5.4 Photo and Video Capture

Use the remote control to easily capture photos and videos. Press the 'Photo' button for still images or the 'Video' button to start/stop recording. All media is saved to the inserted 32GB Micro SD card.



Figure 5.3: Inserting the 32GB Micro SD card.

## 5.5 PC Connection (Windows/Mac OS)

To view the microscope feed on your computer, connect the microscope to your PC/laptop using the USB cable. Download and install the 'HIVIEW' software from the Microsoft Store (for Windows) or App Store (for Mac OS). Once connected and the software is running, the microscope feed will appear on your computer screen, allowing for larger scale observation and analysis.

## USB Connect to Laptop/PC Screen

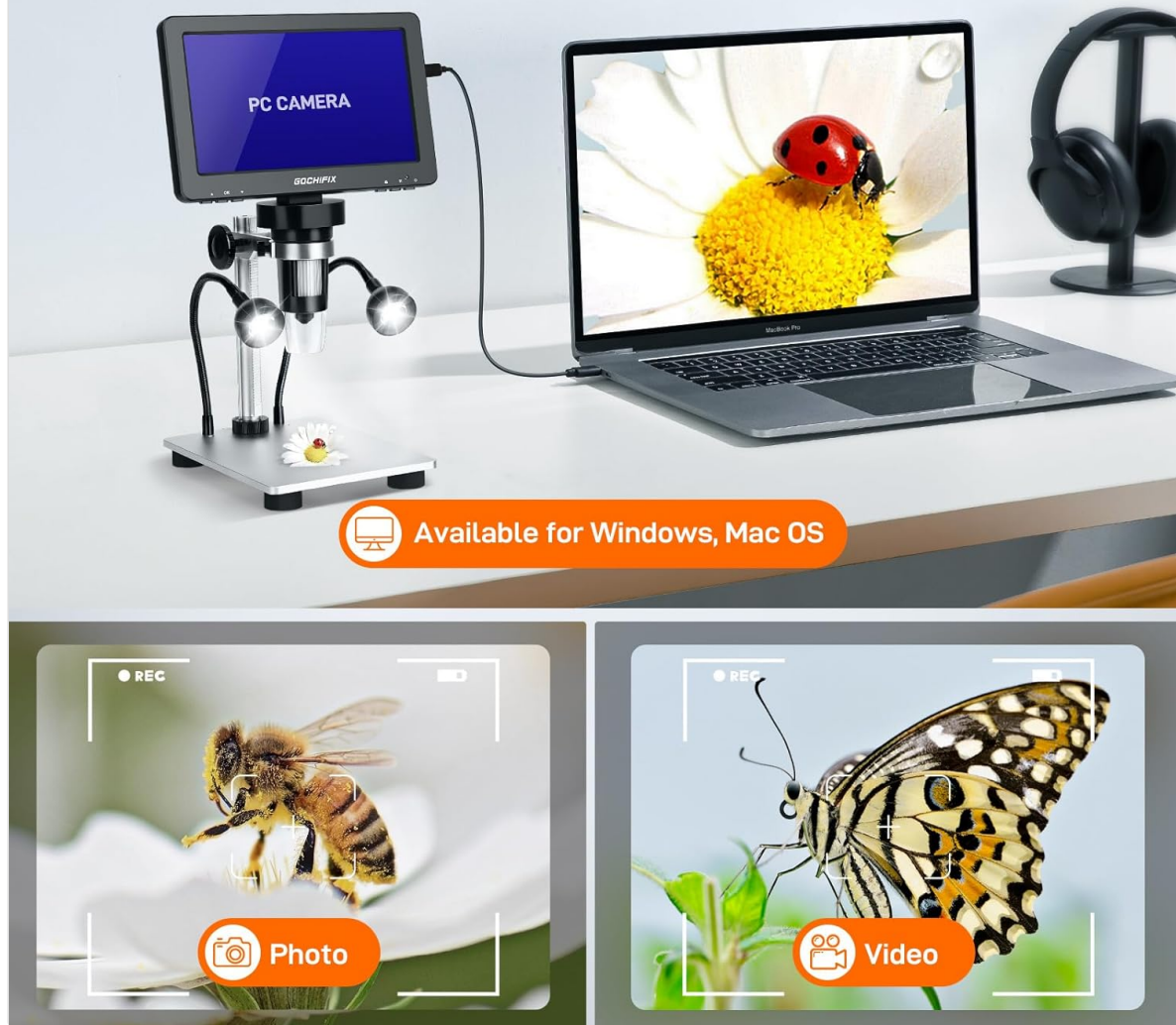


Figure 5.4: Connecting the microscope to a PC/laptop.

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Video 5.1: A detailed walkthrough of the GOCHIFIX DM9 7-inch LCD Digital Microscope, covering its components, assembly process, and initial power-on sequence.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your GOCHIFIX DM9 Digital Microscope, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microscope. For the lens, use a specialized lens cleaning cloth and solution to avoid scratches.
- **Storage:** Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. Use the lens cap when not in use to protect the objective.
- **Battery Care:** The microscope contains a Lithium Ion battery. Avoid placing the microscope near heat sources or in direct sunlight to prevent battery damage.

## 7. TROUBLESHOOTING

If you encounter any issues with your GOCHIFIX DM9 Digital Microscope, please refer to the following common solutions:

- **No Power:** Ensure the battery is charged or the USB cable is securely connected to a power source. Hold the power button for 3 seconds to turn on.
- **Blurry Image:** Adjust the focus wheel on the objective lens. Also, ensure the microscope height is correctly set for the object being viewed.
- **No Image on PC:** Verify the USB connection. Ensure the 'HIVIEW' software is correctly installed and running, and that 'PC Camera' mode is selected on the microscope screen.
- **Insufficient Lighting:** Adjust the brightness of the main LEDs using the roller on the base. Reposition the gooseneck side lights for better illumination.
- **Device Abnormal:** If the screen is abnormal, use a fine-pointed object to press the 'RESET' button.

## 8. SPECIFICATIONS

Feature	Specification
Item Model Number	DM9
Screen Size	7 inches
Magnification Range	10X - 1200X
Photo Resolution	12MP
Video Resolution	1080P
Light Source	8 Main LEDs + 2 Gooseneck Side Lights
Storage	32GB Micro SD Card (included)
Compatible OS	Windows, Mac OS
Power Source	Battery Powered (1 Lithium Ion battery included)
Material	Aluminum alloy
Item Weight	2.27 pounds

## 9. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the full user manual included in your package or visit the official GOCHIFIX website. Keep your purchase receipt for warranty claims.