

## Dcorn DMR-07

# Dcorn DMR-07 7-inch HDMI Digital Microscope User Manual

Model: DMR-07 | Brand: Dcorn

## INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Dcorn DMR-07 7-inch HDMI Digital Microscope. Designed for a wide range of applications, from coin inspection to circuit board repair, this microscope offers up to 1300X magnification and a 16MP camera for clear, detailed viewing. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

## PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 7-inch LCD Display Microscope
- Metal Base
- Metal Stand
- 3 Guidebooks (e.g., A Guide to Coin Collection, How to Solder)
- Wireless Remote Control
- HDMI Cable
- 32GB TF Card
- Light Barrier
- Gift Box
- Extension Tube (4.7 inches)
- Charger
- User Manual (this document)

Figure 1: All components of the Dcorn DMR-07 Digital Microscope package.

## SETUP

### 1. Assembling the Stand and Microscope

1. Attach the metal stand to the metal base. Secure it firmly using the provided knob.

2. Mount the microscope unit onto the adjustable bracket on the metal stand. Ensure it is securely fastened.
3. If extended working distance is required, insert the 4.7-inch extension tube between the microscope lens and the main body. This allows for a wider field of view, ideal for observing entire coins.



Figure 2: Microscope assembled with the extension tube for wider viewing.

## 2. Connecting External LED Lights

The two external LED lights provide additional illumination for your specimens. Connect the Type-C end of the light cables to the USB output ports on the microscope base.

## 3. Powering On

Connect the power adapter to the microscope and a power outlet. Press the 'POWER' button on the microscope to turn it

on. The 7-inch LCD display will illuminate.

#### 4. Video: How to Install

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**Video 1:** A step-by-step guide demonstrating the physical assembly of the Dcorn DMR-07 Digital Microscope, including attaching the stand, microscope unit, and optional extension tube.

### OPERATING INSTRUCTIONS

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#### 1. Basic Viewing and Focusing

1. Place the specimen on the observation platform.
2. Adjust the height of the microscope unit using the knob on the stand until the specimen appears on the screen.
3. Rotate the focus wheel on the microscope body to achieve a clear and sharp image.

# Adjustable Bracket/Monitor



Figure 3: Adjusting the microscope for detailed observation.

## 2. Adjusting LED Lights

The microscope features built-in LEDs and two adjustable side lights. The side lights are controlled via touch-sensitive areas on the base.

- **Built-in LEDs:** These provide primary illumination.
- **Side Lights:** Touch the designated areas on the base to turn the side lights on/off and adjust their brightness. These are useful for reducing glare and enhancing contrast on reflective surfaces.

# PREMIUM QUALITY AT AFFORDABLE PRICES














FEATURES		OUR Brands	Other Brands
	Viewing Screen	1024*600	640*480
	Camera sensor	16MP	12MP
	Modes	Touch Control LED	Manual Control LED
	Zoom	50-1300X	50-1000X
	MicroSD	32GB	NO
	Extension Tube	YES	NO
	Infrared Remote Control	YES	NO
	Output View	HDMI/USB Output	USB Output
	Tripod Compatible	YES	NO
	Number of LED lights	10+LED	8+LED
	Support	Win/iMac/MacBook	Win
	Adjust Screen	YES	NO
	Warranty	3 Years	1 Years

Figure 4: Touch control for adjusting the side LED lights.

### 3. Video: 10 LEDs - Touch Control

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Video 2: Demonstration of the touch-controlled 10 LED lighting system on the Dcorn DMR-07 Digital Microscope.

### 4. Capturing Photos and Videos

The microscope supports capturing still images and recording video footage directly to the included 32GB TF card.

- Use the 'OK' button on the microscope or the corresponding button on the wireless remote control to capture a photo or start/stop video recording.
- Navigate through the menu using the arrow buttons to select photo/video mode and adjust settings like resolution.



**Figure 5:** Photo and Video Capture Functionality.



**Figure 6:** Wireless Remote Control.

## 5. Connecting to PC and TV

The microscope offers HDMI and USB output for viewing on larger screens.

- **HDMI Output:** Connect the provided HDMI cable from the microscope's HD port to an HDMI input on a TV or monitor. This provides a direct, high-quality display.
- **USB Output:** Connect the provided USB cable from the microscope's USB port to a computer. The microscope can function as a UVC (USB Video Class) device, allowing you to view the live feed using standard camera software on your computer (Windows/Mac compatible).

## HDMI & USB Output for larger View



## WINDOWS / MAC COMPATIBLE



Figure 7: Microscope connected to external displays via HDMI and USB.

### 6. Video: How to Connect to a PC

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**Video 3:** A guide demonstrating how to connect the Dcorn DMR-07 Digital Microscope to a PC and view the live feed.

### MAINTENANCE

- **Cleaning the Lens:** Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the lens. For stubborn smudges, use a lens cleaning solution designed for optical devices.
- **Cleaning the Screen:** Wipe the LCD screen with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **General Care:** Keep the microscope in a clean, dry environment. Avoid exposing it to extreme temperatures,

humidity, or direct sunlight. When not in use, store it in its original packaging or a protective case.

### TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the microscope and a working power outlet. Check if the power button is pressed.
- **Blurry Image:** Adjust the focus wheel on the microscope body. Ensure the specimen is within the working distance of the lens. Clean the lens if necessary.
- **No Image on External Display (HDMI/USB):** Verify that the cables are correctly connected. For USB connection, ensure appropriate camera software is running on your computer and the microscope is selected as the input device.
- **Lights Not Working:** Check the connections of the external LED lights to the base. For touch-controlled lights, ensure you are touching the correct activation area.
- **Cannot Capture Photos/Videos:** Ensure the 32GB TF card is properly inserted and has sufficient free space. Check the menu settings to confirm the correct mode is selected.

### SPECIFICATIONS

Feature	Specification
Model	DMR-07
Display Size	7-inch LCD
Camera Sensor	16MP
Magnification	Up to 1300X
Light Source	LED (Built-in & Touch Control Side Lights)
Output	HDMI, USB
Storage	MicroSD (32GB TF card included)
Extension Tube	4.7-inch included
Remote Control	Wireless Infrared Remote Control
Compatible Devices	Laptop, Personal Computer, Television
Operating System Support	Windows, Mac
Color	Silver
Item Weight	4.46 pounds
Package Dimensions	11.18 x 10.94 x 3.86 inches

### WARRANTY INFORMATION

The Dcorn DMR-07 Digital Microscope comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards. Please retain your proof of purchase for warranty claims.

### CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your Dcorn DMR-07 Digital Microscope, please contact our

customer support team:

**Email:** [support@dcornus.com](mailto:support@dcornus.com)