

Hayve DM12

Hayve DM12 10.1" HDMI Digital Microscope User Manual

Model: DM12

1. INTRODUCTION

Thank you for choosing the Hayve DM12 10.1" HDMI Digital Microscope. This device is designed for detailed observation, measurement, and recording of microscopic objects, suitable for various applications including electronics repair, coin inspection, and educational purposes. Featuring a high-resolution IPS screen, advanced magnification capabilities, and versatile connectivity options, the DM12 provides an enhanced visual experience.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the microscope to ensure safe and proper operation.

- Do not expose the device to extreme temperatures, humidity, or dust.
- Avoid direct exposure of the lens to strong light sources, as this may damage the sensor.
- Keep the device away from water and other liquids.
- Use only the provided power adapter and accessories.
- Do not attempt to disassemble or repair the microscope yourself. Contact customer support for assistance.
- Ensure the microscope is placed on a stable, level surface during operation.

3. PACKAGE CONTENTS

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

- Hayve DM12 Digital Microscope Unit
- Adjustable Stand
- Remote Control
- USB Type-C Cable
- HDMI Cable
- Power Adapter
- User Manual
- 32GB MicroSD Card (pre-installed or included separately)



Image: The Hayve DM12 Digital Microscope, showing the main unit, adjustable stand, remote control, and a 32GB SD card.

4. PRODUCT OVERVIEW

4.1 Key Components

- **10.1-inch IPS Screen:** Provides a wide 178° viewing angle with vibrant colors and clear visuals.
- **High Magnification Lens:** Offers 50X-2000X digital magnification with enhanced detail.
- **Adjustable Stand:** Features a 10.4-inch longer stand for increased working distance and flexibility.
- **LED Illumination:** Equipped with 8 built-in LEDs and 2 flexible gooseneck lights for optimal lighting.
- **Built-in Microphone:** For clear audio recording during video capture.
- **Connectivity Ports:** HDMI and USB Type-C for external display and PC connection.
- **Remote Control:** For convenient operation, including zoom, photo, and video functions.

Upgraded DM12 HD Digital Microscope

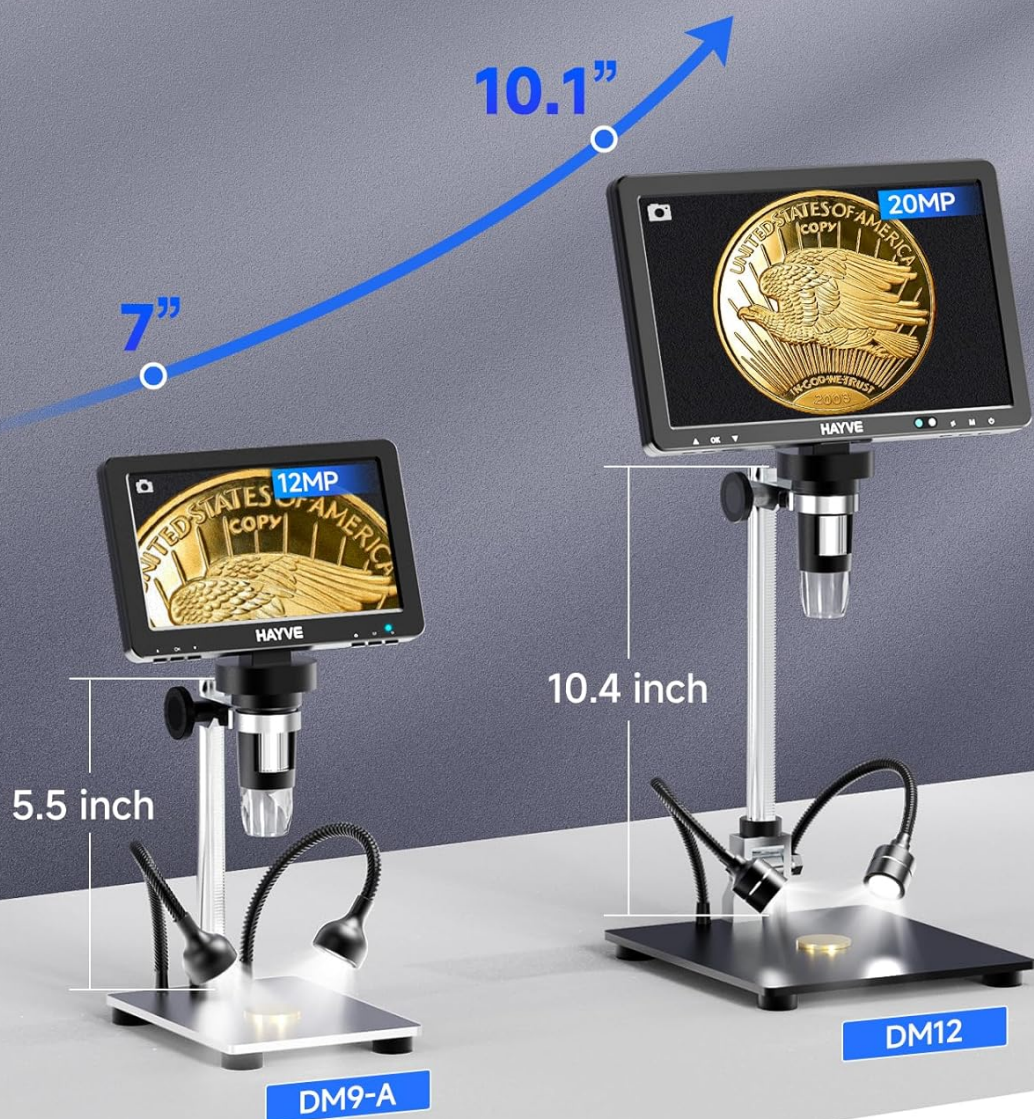


Image: A side-by-side comparison illustrating the larger 10.1-inch screen and extended 10.4-inch stand of the Hayve DM12 model compared to a smaller microscope.

10.1 inch IPS Screen

More Colorful, Better Picture

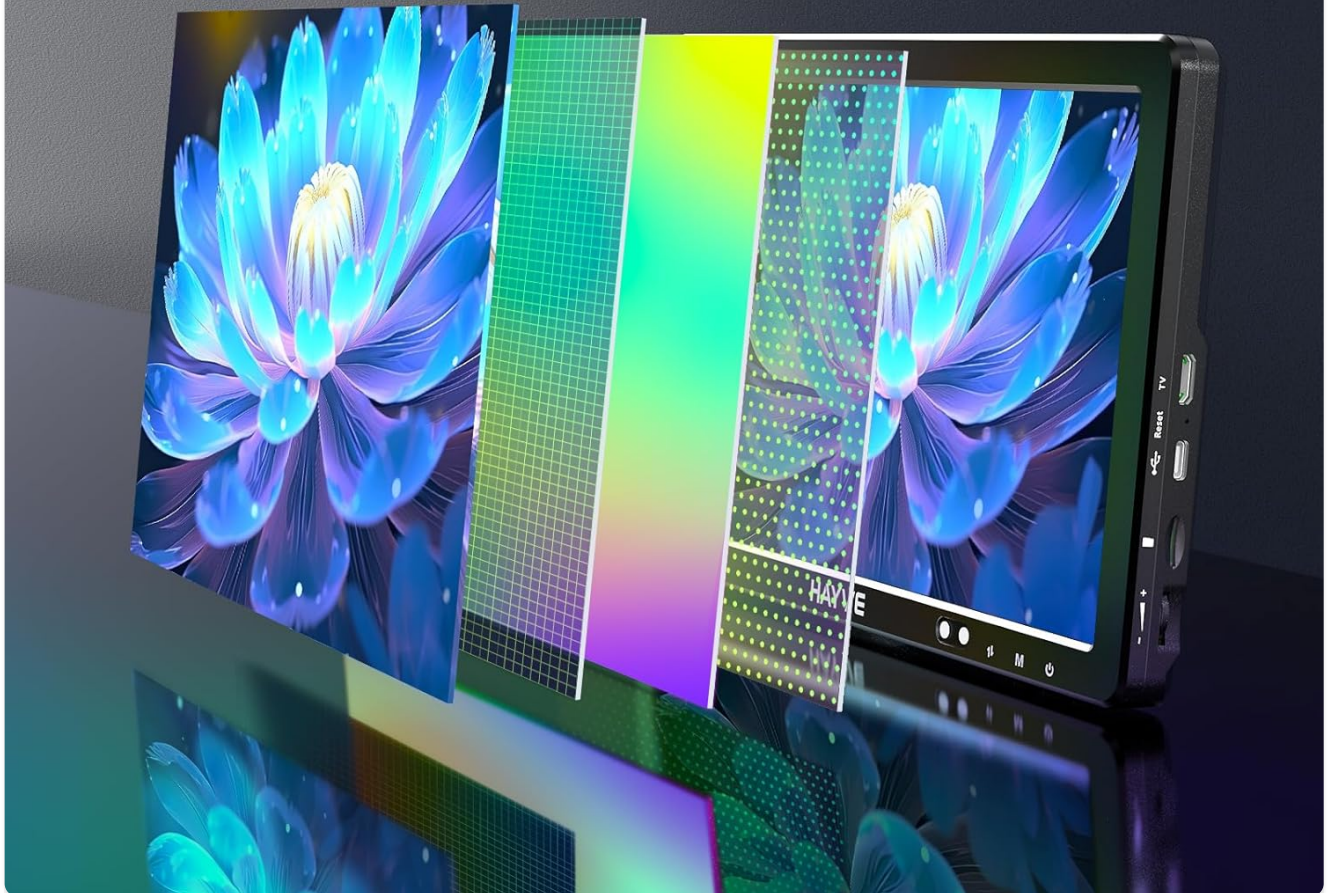


Image: A detailed view of the 10.1-inch IPS screen, emphasizing its ability to display more colorful and better pictures.

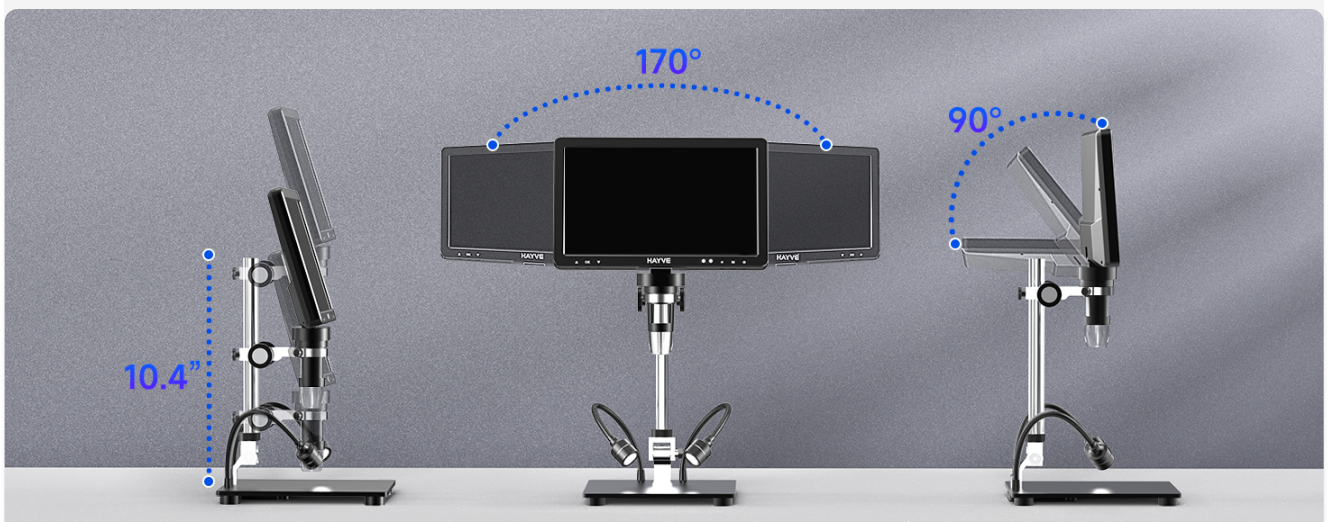


Image: A diagram illustrating the adjustable height (10.4 inches) and viewing angles (170° and 90°) of the DM12 microscope stand.

5. SETUP

5.1 Assembly

1. Carefully unpack all components from the box.
2. Attach the microscope unit to the adjustable stand by aligning the mounting points and securing any screws or clamps.
3. Position the flexible gooseneck lights into their designated slots on the base.
4. Ensure all connections are firm and stable.

5.2 Powering On

1. Connect the power adapter to the microscope's power input port.
2. Plug the power adapter into a wall outlet.
3. Press and hold the power button on the microscope unit until the screen illuminates.

6. OPERATING INSTRUCTIONS

6.1 Basic Observation

1. Place the object you wish to observe on the base plate directly under the microscope lens.
2. Adjust the height of the microscope unit using the focus knob on the stand until the object is in focus on the screen.
3. Use the built-in LEDs and flexible gooseneck lights to illuminate the object. Adjust brightness using the controls on the unit or remote.

10 Dimmable Lights Design

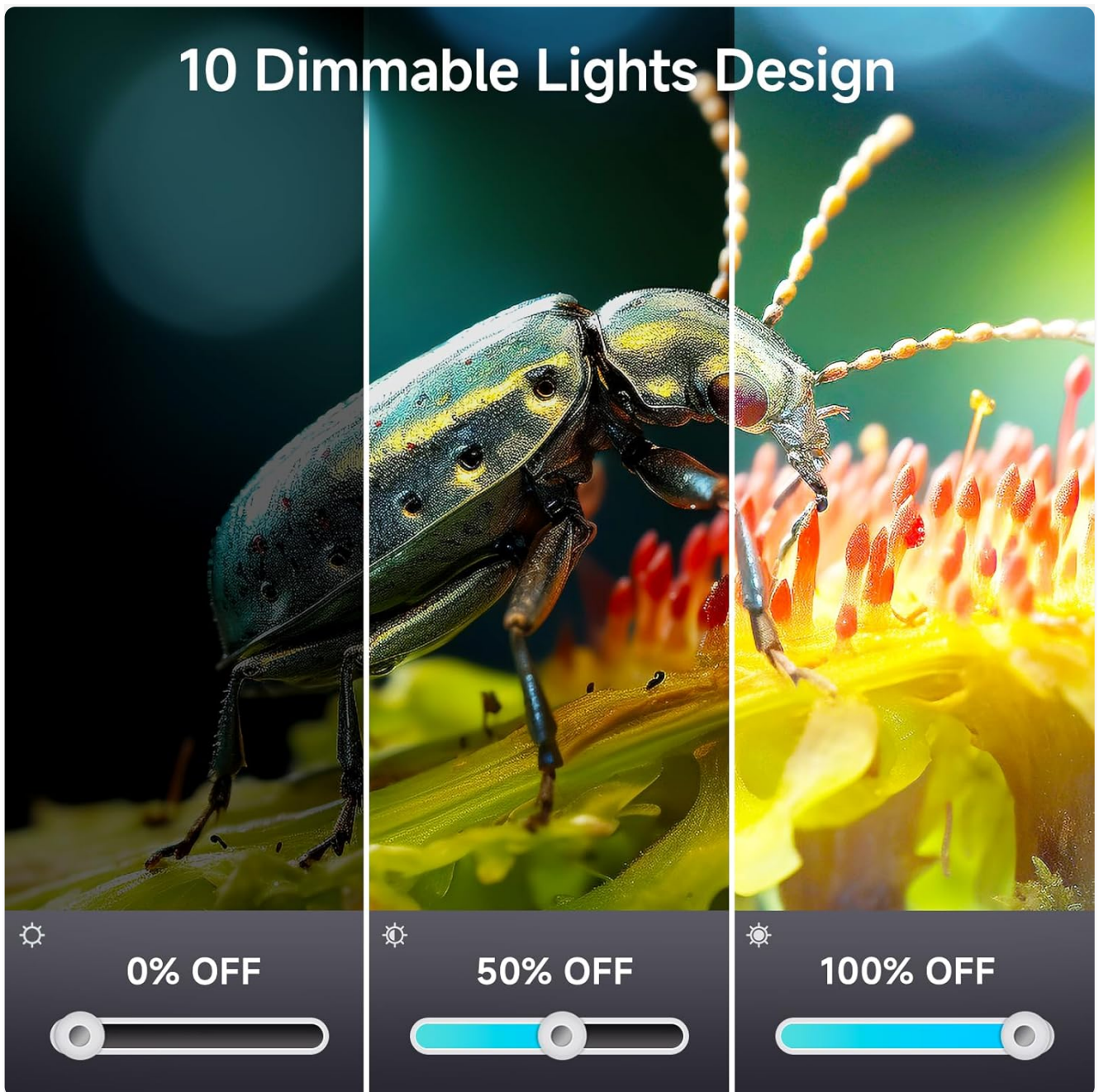


Image: An illustration of the 10 dimmable light design, showing how lighting can be adjusted from 0% off to 100% off for optimal viewing.

6.2 Magnification Adjustment

The DM12 offers 50X to 2000X digital magnification. Use the zoom buttons on the microscope unit or the remote control to adjust the magnification level. The 20MP HD picture resolution ensures high detail even at maximum zoom.

Excellent **50X-2000X** Zoom



Image: The Hayve DM12 microscope screen displaying magnified details of a peacock feather, demonstrating its 50X-2000X zoom capability.

Innovative High Magnification Lens

Show Every Detail Clearly



Image: A visual comparison showing the superior image detail captured by the Hayve DM12's innovative high magnification lens compared to another microscope, specifically on a coin.

The First Upgraded High Magnification Lens

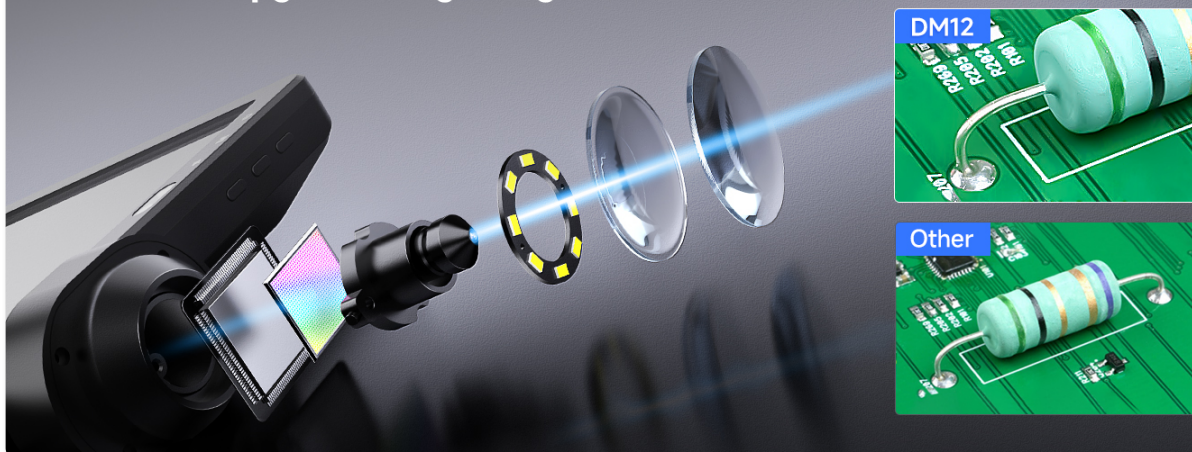


Image: A comparison demonstrating the enhanced clarity and detail provided by the DM12's upgraded high magnification lens when viewing a circuit board component, versus a standard lens.

6.3 Capturing Photos and Videos

The DM12 supports 20MP photo resolution and 1080p video recording. All captured media is saved to the inserted 32GB MicroSD card.

- **To take a photo:** Press the 'Photo' button on the microscope unit or remote control.
- **To record a video:** Press the 'Video' button to start recording. Press it again to stop. The built-in microphone will record audio during video capture.



Image: A child observing with the Hayve DM12 microscope, emphasizing the built-in microphone's capability to record audio for an exclusive recording experience.

4 IN 1 Design, More than A Microscope



Image: A graphic illustrating the Hayve DM12's versatile 4-in-1 design, highlighting its capabilities for Photo, Video, Recording (with audio), and Measurement.

6.4 Connecting to PC/TV

The DM12 can be connected to a computer or television for a larger real-time view.

- **PC Connection (USB):** Connect the microscope to your computer using the provided USB Type-C cable. The microscope can function as a PC camera. Measurement software can be used for precise analysis.
- **TV Connection (HDMI):** Connect the microscope to your TV or monitor using the provided HDMI cable. This allows for real-time viewing on a larger screen.

Real-Time Large Viewing on **PC/TV**

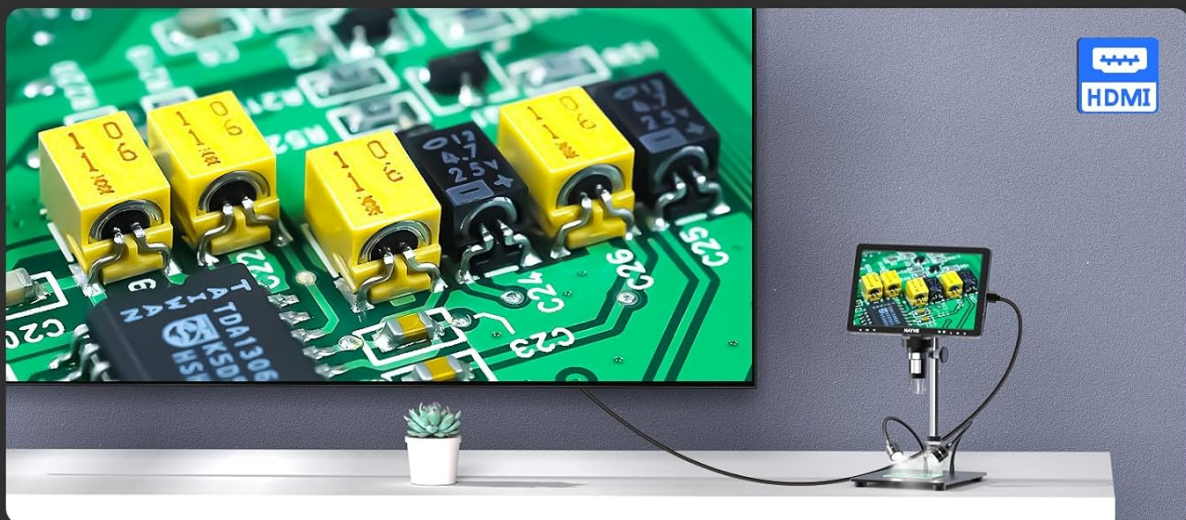
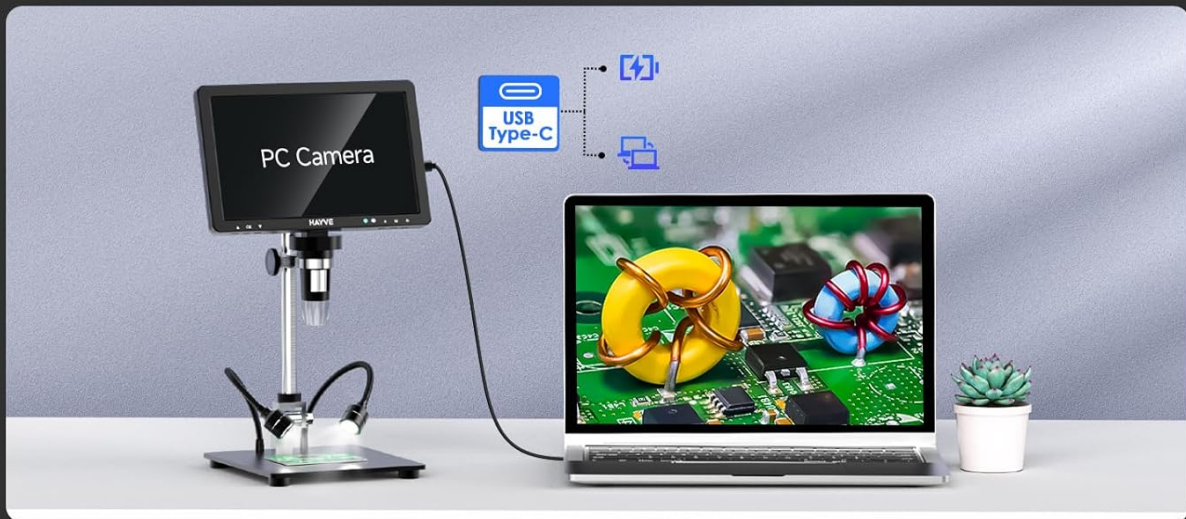


Image: A diagram illustrating the real-time large viewing capabilities of the Hayve DM12, showing connections to both a PC via USB Type-C and a TV via HDMI.



Image: The Hayve DM12 microscope connected to a laptop via a USB Type-C cable, functioning as a PC camera.

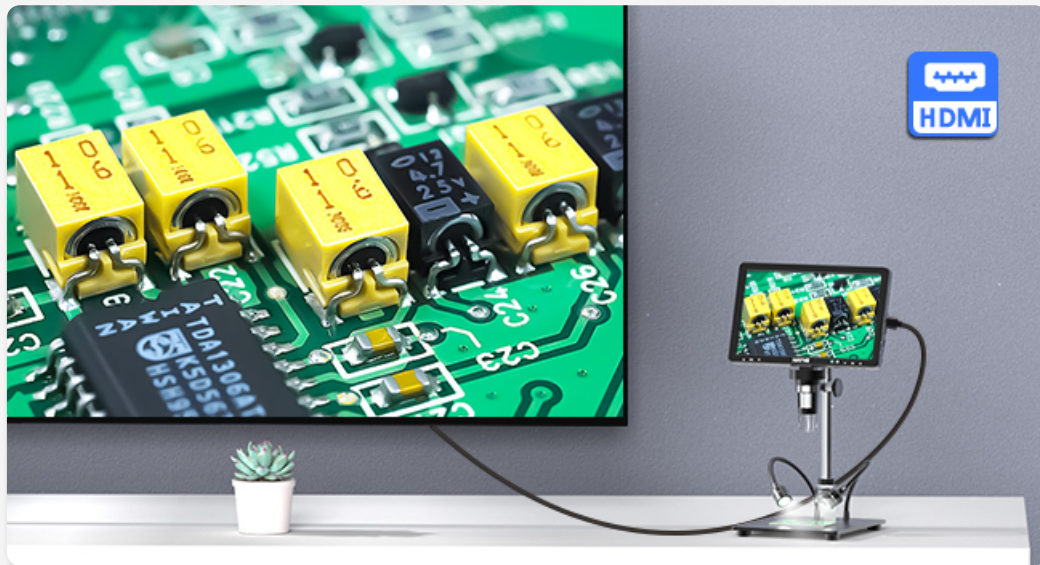


Image: The Hayve DM12 microscope connected to a television via an HDMI cable, displaying the magnified view on a larger screen.

6.5 Using the Remote Control

The included remote control provides convenient access to key functions without touching the microscope unit, minimizing vibrations during observation.

- **Zoom In/Out:** Adjust magnification.
- **Photo:** Capture still images.
- **Video:** Start/stop video recording.
- **Menu/OK:** Navigate and confirm selections.

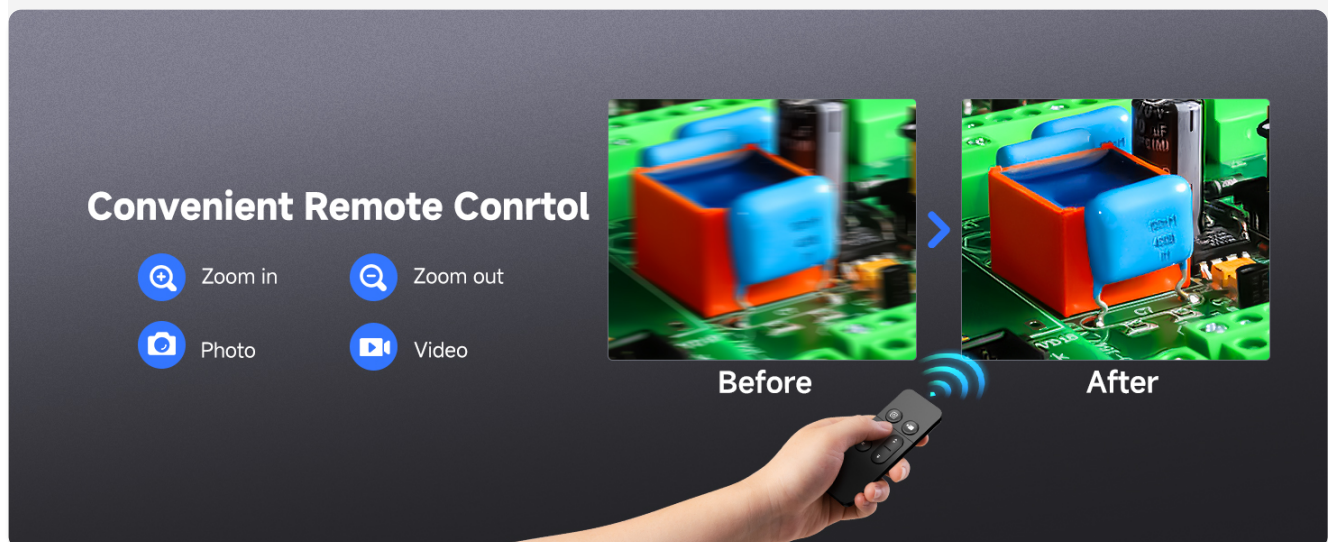


Image: A hand holding the remote control for the Hayve DM12 microscope, illustrating its convenient functions for zooming, taking photos, and recording videos.

6.6 Applications

The Hayve DM12 is versatile and can be used for a wide range of applications:

- **Coin Inspection:** Examine details of coins for errors or unique features.
- **Electronics Soldering/Repair:** Aid in precise soldering and inspection of circuit boards.
- **Jewelry Appraisal:** Inspect gemstones and metalwork.

- **Biological Observation:** View plant structures, insects, and other small organisms.
- **Educational Purposes:** Ideal for students and hobbyists to explore the micro-world.



Image: A person performing soldering work on a circuit board, with the magnified view displayed clearly on the Hayve DM12 microscope screen.



Image: An older man intently examining various coins using the Hayve DM12 microscope, demonstrating its utility for coin inspection.



Image: Two children outdoors, observing a leaf with the Hayve DM12 microscope, highlighting its use for exploring nature and educational purposes.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Hayve DM12 microscope.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens.
- **Cleaning the Screen:** Wipe the IPS screen with a soft, dry microfiber cloth. Avoid abrasive cleaners.
- **General Cleaning:** Use a dry or slightly damp cloth to wipe the body of the microscope. Do not use harsh chemicals or solvents.
- **Storage:** When not in use, store the microscope in a clean, dry, and dust-free environment.

8. TROUBLESHOOTING

If you encounter issues with your Hayve DM12 microscope, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Microscope does not power on.	No power, loose connection, low battery.	Ensure power adapter is securely connected and plugged into a working outlet. Check battery charge if applicable.
Image is blurry or out of focus.	Incorrect focus, object too far/close, dirty lens.	Adjust the focus knob. Ensure the object is within the working distance. Clean the lens if necessary.
Screen is too dark/bright.	Lighting not adjusted.	Adjust the brightness of the LED lights using the controls on the unit or remote.
Cannot connect to PC/TV.	Incorrect cable, port issue, driver not installed (for PC).	Ensure correct HDMI/USB cable is used and securely connected. For PC, check if necessary drivers are installed or if the microscope is recognized as a device.
Cannot save photos/videos.	No MicroSD card, card full, card error.	Ensure MicroSD card is inserted correctly. Check available space. Format the card if necessary (this will erase all data).

9. SPECIFICATIONS

Feature	Specification
Model	DM12
Screen Size	10.1 inches IPS
Viewing Angle	178 Degrees
Magnification	50X - 2000X (Digital)
Photo Resolution	20 Megapixels
Video Resolution	1080p
Light Source	8 Built-in LEDs + 2 Flexible Gooseneck Lights
Storage	Supports MicroSD card (32GB included)
Connectivity	HDMI, USB Type-C
Compatible Devices	Laptop, Personal Computer, Smartphone, Television
Power Source	1 Lithium Polymer battery (included), AC Adapter
Product Dimensions	9.84 x 7.87 x 3.15 inches
Item Weight	5.08 pounds (2.31 Kilograms)
Color	Black


10. WARRANTY AND SUPPORT

Hayve products are manufactured with high-quality standards. For warranty information and technical support,

please refer to the warranty card included in your package or visit the official Hayve website. If you require assistance, please contact our customer service team with your product model and purchase details. For additional resources and product information, you may visit the[Hayve Store on Amazon](#).

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Related Documents

<div><p>Electron Microscope</p><p>Model: WTM-W1-A</p><p>User Manual</p><p>Please read this user manual carefully and keep it for future reference.</p></div>	<p>WTM-W1-A WiFi Digital Electron Microscope User Manual</p> <p>User manual for the WTM-W1-A WiFi digital electron microscope, covering setup, operation with cell phones and computers, product parameters, and troubleshooting.</p>
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