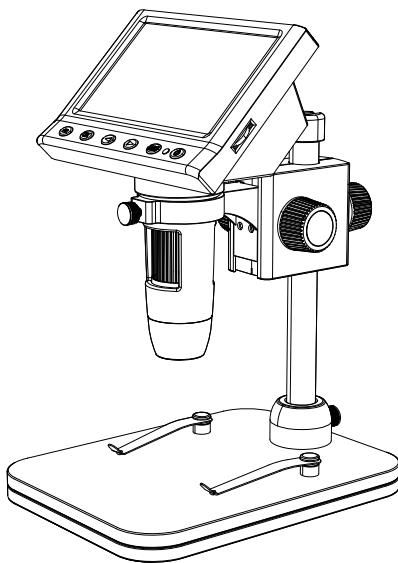# 4.3-Inch Digital Microscope

Model: DM7-Z01C

User Manual V1.0

Please read this user manual carefully and keep it for future reference.

Contents

Read Me First

1. Thank you for purchasing the DM7-Z01C digital microscope.

2. Please read this user manual carefully and keep it for future reference.

3. Pay attention to protect the lens part.

4. The microscope can be used in hand or inserted as a desktop with attention to avoid damage to the components

5. When placing items, place them directly below the center of the lens as much as possible. Avoid not seeing objects clearly and bringing about a bad experience.

1. Installation

● **Bracket installation**
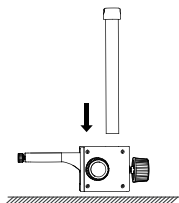
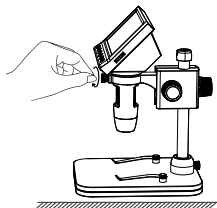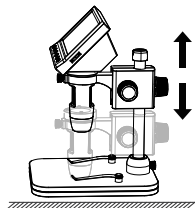**Step 1**
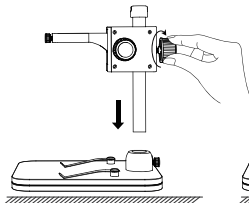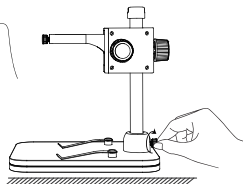
Step 2

Step 3

● **Microscope installation**
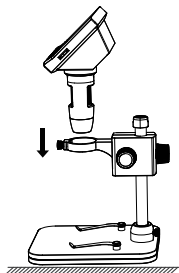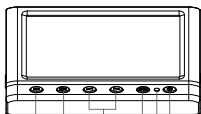
Step 1

Step 2

Step 3

Parts Description

* Notice: The picture is for reference only, please refer to the actual object
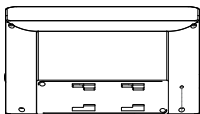
❶

Switch button

OK button

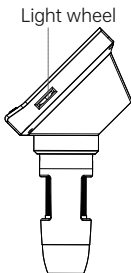Left/Right button   Menu button
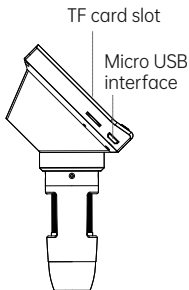
Power button

Indicator light

❷

Focus wheel

Reset button

❸

Light wheel

❹

LED lights
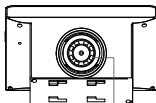
❺

TF card slot

Micro USB interface

• Functions introduction

Switch button: Press to switch the Photo/Video/Playback mode.

OK button: In Photo mode, press to take pictures and save it automatically. In Video mode, press to start/end recording; In Playback mode, view the video file and press to play the video. In the Menu settings, press to confirm the selection.

Left/Right button: Select key when entering Menu or Playback mode.

Menu button: Press to enter the Menu settings. Press again to exit the Menu or return to the previous layer.

Power button: Long press this button for 3 seconds to turn the microscope on/off.

Indicator light: The indicator light includes the charging indicator light (red) and the working indicator light (blue). The charging indicator light is located above the working indicator light and is displayed through the indicator hole. After the device is connected to the USB, the charging indicator (red) is on. When the device is started, the work indicator (blue) will blink first. After 3 seconds, the work indicator (blue) will be steady on.

Focus wheel: Rotate to focus the object and adjust slowly until the picture is clear.

Light wheel: Turn the knob to adjust the LED lights brightness.

TF card slot: Supports up to 32G memory card. (Note: Please choose C10 high-speed card)

Micro USB interface: Standard USB 2.0 port, which supports charging and data transfer.

Reset button: When the microscope is abnormal, use a fine pointed object to cut this hole, which can be forced to shut down.

LED lights: When observing insufficient ambient light, fill light can be performed.

Interface Introduction

(* Note: Before using the microscope, please insert the TF card into the microscope to ensure better storage of Photo / Video file)

• Photo mode

When the icon in the upper left corner of the microscope is "📷", it is in Photo mode; When the microscope is on, short press the Switch button on the microscope, it can switch to Photo mode.
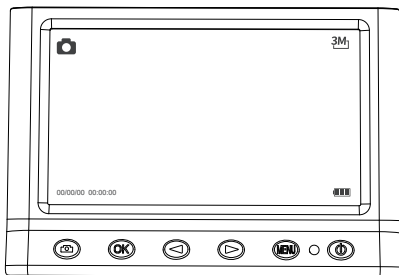
• Video mode

When the icon on the upper left corner of the microscope is "🎥", it is in Video mode; When the microscope is on, short press the Switch button on the microscope, it can switch to Video mode.
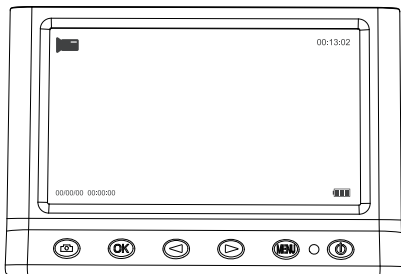
• Playback mode

When the icon in the upper left corner of the microscope is" ▶ ",
it is in Playback mode; In the power on state, short press the Switch
button on the microscope, it can switch to Playback mode.
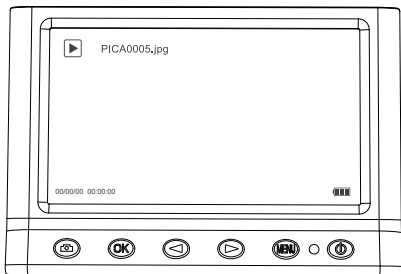
As shown in the figure, enter the Playback mode to view pictures
and video files, view the pictures selected by pressing the OK key
to view; View the video by pressing the OK key for play / pause;
View the current picture / video file, you can press the Left/Right
selection key to turn the page.

• Menu interface

Short press the Menu button on the microscope, can enter the Menu interface, in the Photo / Video mode to enter the Menu interface, as shown in the figure below:
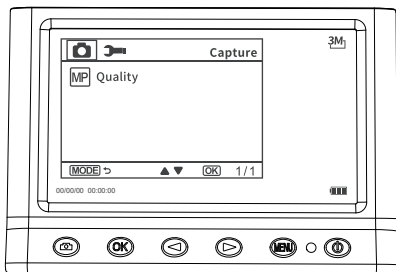
Enter the Menu when viewing a file in Playback mode, as shown below (the current picture or video file can be deleted / protected)
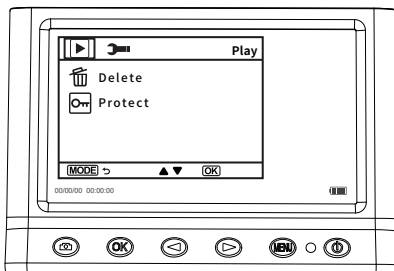
• Function introduction

Video resolution: 720P, VGA.

Photo quality: 3M, 2M, 1.3M, VGA.

Format: Format the memory card.

Language: Set language. (English, Simplified Chinese, Traditional Chinese,Japanese,French,German,Korean,Turkish, Portuguese, Russian, Spanish, Arabic)

Line assist: Select on, in the photo/video mode, the microscope screen will have "十" auxiliary line display; no "十" auxiliary line, select "Off" can be.

Auto power off: After selecting auto shutdown time, the microscope will shut down automatically when no one is operating; no auto shutdown, please select "Off".

Default setting: Restore factory settings.

Frequency: Set the mains frequency.

Date/Time: You can set the date/time parameter of microscope display.

USB: PC Cam, Disk Drive, Charging mode a total of 3 modes to choose from.

Version: Check the current firmware version.

Date stamp: Select "On", the lower left corner of the photo/video file will display the date and time mark; select "Off", the photo/video file does not display the date and time mark.

Exposure: 13 exposure values from -2.0 to +2.0 are available for selection.

Delete: When viewing a single picture or video in Playback mode, short press the menu key, you can choose to delete the files in the TF card (Delete Current / Delete All).
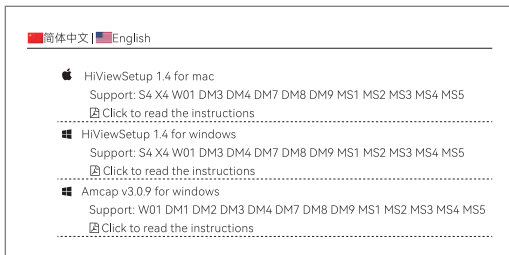
Protect: When viewing a single picture or video in Playback mode, short press the menu key, you can choose to lock or unlock the files in the TF card (Lock Current / Unlock Current / Lock All / Unlock All).

Work with PC

• Software download

   * Note: The following 2 methods can be downloaded,
    please choose the appropriate version according to
    your computer system.

① Please download the software from the following
   website: ***http://www.hvscam.com/soft.asp***
   (Suitable for: Windows 7, Windows 8.1, Windows 10, Windows 11 .)

■ 简体中文 | ■ English

    HiViewSetup 1.4 for mac
     Support: S4 X4 W01 DM3 DM4 DM7 DM8 DM9 MS1 MS2 MS3 MS4 MS5
     Click to read the instructions
    HiViewSetup 1.4 for windows
     Support: S4 X4 W01 DM3 DM4 DM7 DM8 DM9 MS1 MS2 MS3 MS4 MS5
     Click to read the instructions
    Amcap v3.0.9 for windows
     Support: W01 DM1 DM2 DM3 DM4 DM7 DM8 DM9 MS1 MS2 MS3 MS4 MS5
     Click to read the instructions

② For Windows, search for "HiView" in "Microsoft Store" ("🅗")
   (Suitable for: Windows 8, Windows 10, Windows 11 and above),
   and you can also be viewed in Camera("📷").

• Operating steps

Step 1: Turn on the microscope, enter the settings, find the USB option, and select "PC Cam".
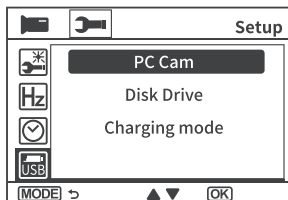
Step 2: Plug the USB data cable into the DC5V interface of the microscope, and the other end into the USB port of the computer.

Step 3: Open HiView and you can view the image, and the photos/videos will be automatically saved in the computer disk.

(Note: When connecting the computer to view the image, please make sure to use the line with data transmission function).
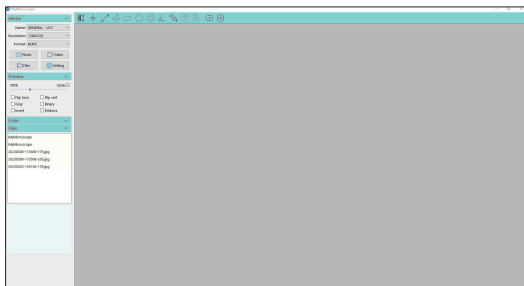
• USB function introduction

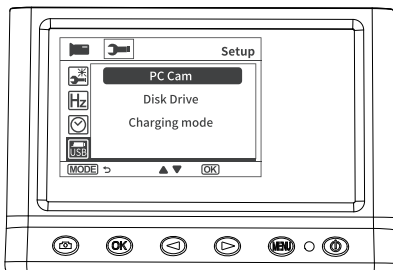Select one of the following 3 modes in the USB option of the Settings to enter the mode by default after the microscope is connected to the computer.

①**Disk Drive:** Enter the microscope memory from the computer side and view and process the pictures and video files in the current TF card, only the Power button and the Light Wheel are available.

②**PC Cam:** After selecting this mode, you can get the image with larger magnification through the computer camera software, and only the Power button and the Light Wheel are available.

③**Charging mode:** When the microscope power is insufficient, it can be charged and used at the same time.

(Note:You can also use your daily phone charger, computer, or power bank to charge the microscope)

Specifications

Item	Specifications
Product name	DM7
Video maximum pixel	720P
Lens optic size	1/6"
Picture resolution	3M, 2M, 1.3M, VGA
Video resolution	720P, VGA
Date format	AVI
Picture format	JPG
Magnification times	500/1000
Illuminant	8 LED lights (brightness adjustable)
Focusing range	10~40mm (can watch distant view)
PC resolution and image transfer rate	640*480/20fps,320*240/25fps,160*120/25fps
PC operating system	Win7, Win8.1, Win10 and above
Supported language	12 languages
Interface and Signal Transmission Mode	USB
Working current	340mA
Power dissipation	1.75W

FAQ

Q: Could you tell me how to charge it?
A: There is a USB cable that comes with the package. You can plug it in any normal phone charger adapter or connect it to your laptop or PC, and the charging time is about 3 hours.

Q: Can the microscope be connected to cell phone?
A: No, this microscope is not compatible with cell phone.

Q: Can I see plant cells by this microscope?
A: Sorry, this is a digital microscope, not an optical microscope. You can't see the cells.

Q: Do I have to download software on my computer to see the images?
A: Not necessary, if your laptop is windows10 or above, you can use the computer's default camera. If you're on a Mac, you can use your computer's default Photo Booth.