

4.3寸手持放大镜

型号:DM4D

快速入门指南 V1.0

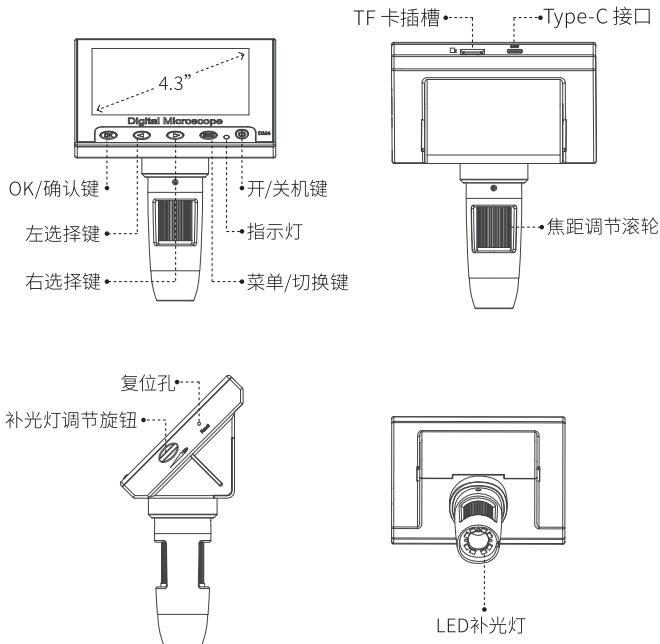
请仔细阅读本使用说明书,并妥善保存,以备日后参考。

目录

1. 各部件及功能	03
1.1-各部件及功能介绍	04
2. 界面介绍及使用	05
2.1-拍照模式	05
2.2-录像模式	05
2.3-回放模式	06
2.4-菜单模式	07
3.功能说明	08
4. 如何连接电脑端使用.....	09
4.1-软件下载	09
4.2-连接步骤	10
4.3-USB模式介绍.....	11
5. 产品参数	12
6. 注意事项	13

1.各部件及功能

平面图仅供参考,具体请以实物为准



1.各部件及功能

1.1-各部件及功能介绍

OK/确认键:拍照模式时,短按此键拍照并自动储存;录像模式时,短按此键为开始/结束录像;回放模式时,查看录像文件,短按此键为播放录像;菜单界面时,短按此键确认选择。

左/右选择键:进入菜单或回放界面时,为选择键;进入拍照、录像模式时,为放大/缩小键。

开/关机键:长按此键3秒显微镜开/关机。

指示灯:充电时红色指示灯亮,充满后绿色指示灯亮;开机时蓝色工作指示灯常亮。

菜单/切换键: 长按进入菜单 短按切换模式的。

TF卡插槽 :支持最大32G内存卡。注: 请选用C10高速卡)

TYPE-C接口:标准USB 2.0接口,支持充电和数据传输。

焦距调节滚轮:旋转此滚轮可对观察物进行对焦,缓慢调节至画面清晰。

复位孔:显微镜异常时,用细尖物戳此孔,可强制关机。

补光灯调节旋钮:转动旋钮可调节LED灯光亮度。

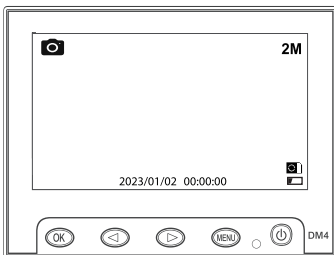
LED补光灯:观察环境光线不足时,可进行补光。

2.界面介绍及使用

[注意:使用显微镜前,请将TF卡(默认包装内不含)插入显微镜,以确保更好地存储照片/视频文件]

2.1-拍照模式

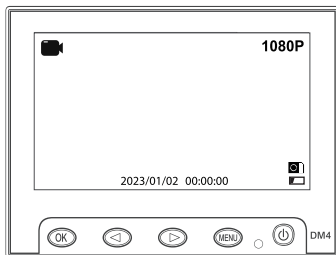
显微镜左上角图标为“📷”时则当前为拍照模式;在开机状态下短按显微镜上的切换键,可切换到拍照模式。



2.2-录像模式

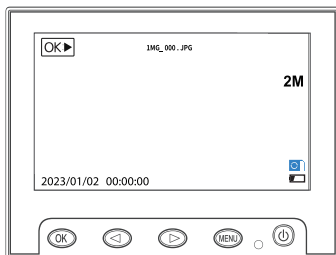
显微镜左上角图标为“📹”时,则当前为录像模式;在开机状态下短按显微镜上的切换键,可切换到录像模式。

2.界面介绍及使用



2.3-回放模式

显微镜左上角图标为“OK▶”时,则当前为回放模式;在开机状态下,短按显微镜上的切换键,可切换到回放模式。



如图所示,进入回放模式可查看图片和录像文件,查看图片选中后按OK键即可查看;查看录像时按OK键为播放/暂停;查看当前图片/录像文件时,可按上/下选择键翻页,或再次短按回放键可返回上一层重新选中需要查看的文件。

2.界面介绍及使用

2.4-菜单模式

长按显微镜上的菜单键“M”，在拍照/录像模式下进入菜单界面如下图所示：



在回放模式查看文件时进入菜单，如下图所示(可对当前图片或视频文件进行删除/加锁)。



3.功能说明

图片分辨率:有1920×1080, 1280×720, 640×480 三种模式可选择。

视频分辨率:有1080P, 720P, VGA三种模式可选择。

语言:设置语言 (英文, 繁体中文, 简体中文, 日语, 法语, 德语, 韩语, 意大利语, 葡萄牙语, 俄语, 西班牙语, 波兰语)。

时间设定:可以设置显微镜的日期/时间参数。

自动关屏:选择合适的时间, 使设备在无人操作时自动熄屏。

光源频率:市电频率设置, 请根据当地实际情况选择50Hz、60Hz。

自动关机:选择合适的时间让设备自动关机。

格式化:此操作将删除TF卡内所有数据。(注:删除后将无法恢复, 请谨慎操作)

重设系统:恢复出厂设置。

软件版本:查看当前固件版本。



4.如何连接电脑端使用

4.1-软件下载

*注：以下三种方式均可进行下载，请根据电脑系统选择适用的版本。

①请从以下网址下载适用软件：<http://soft.hvscam.com>
(适用于：Windows 7, Windows 8.1, Windows 10, Windows 11及Mac)



②Windows端请在“Microsoft Store”搜索“HiView”下载如图(“”), 也可使用电脑自带相机(如图“”)观察；(适用于：Windows 8, Windows 10, Windows 11及以上)

③Mac系统为 Mac OS x 12或更高时, 请在“APP Store”搜索“HiView”下载, 也可使用Photo Booth (如图“”) 观看。

4.如何连接电脑端使用

4.2-连接步骤

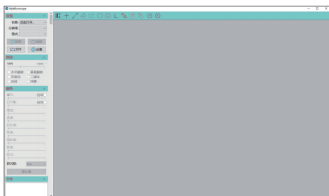
第一步:通过Type C数据线连接电脑和显微镜;



第二步:显微镜开机,出现弹窗,选择“PC摄像头”模式;



第三步:打开Hiview,即可观看图像,此时拍照/录像文件会自动保存在电脑磁盘中。(注:连接电脑观看图像时,请确认使用的是带数据传输功能的线)



4.如何连接电脑端使用

4.3-USB模式介绍

通过USB线将设备与电脑相连时,设备的模式有存储器/PC摄像头/充电三种模式可供用户选择。



①**存储器**:从电脑端进入显微镜存储器,可以查看并处理当前TF卡内的图片和视频文件,此时显微镜仅开/关机键和补光灯亮度调节可用。

②**摄像头**:选择该模式后,可通过电脑相机软件,获得更大倍数的图像,此时显微镜仅开/关机键和补光灯亮度调节可用。

③**充电**:当显微镜电量不足,可边充电边使用显微镜,用Type-c数据线将显微镜和电脑端连接,显微镜开机,选择充电模式,即可进入充电状态。

(*注:也可使用日常手机充电器、电脑、充电宝对显微镜进行充电。)

5.产品参数

项目	参数
①产品名称:	DM4D
②视频最大像素:	1080P
③CMOS尺寸:	1/6.5'
④图片分辨率:	1920×1080, 1280×720, 640×480
⑤视频分辨率:	1080P,720P, VGA
⑥图片格式:	JPG
⑦视频格式:	AVI
⑧放大倍数:	500/1000
⑨照明:	8颗LED灯(亮度可调)
⑩对焦范围:	10-40mm(可观看远景)
⑪PC分辨率及图像传输速率:	640*320/25fps, 1280*720/25fps
⑫PC操作系统:	Windows xp,Win7, Win8.1, Win10及以上
⑬支持语言:	12种语言
⑭接口和信号传输方式:	USB 2.0
⑮工作电流:	420ma
⑯功率:	2.1W

6. 注意事项

- TF卡需选用传输速度为C10的,若使用传输速度低于C10的卡,使用时可能会出现图片、视频存储不成功等故障。
- 请勿将显微镜放置在阳光直射的地方,请避免雨淋或潮湿环境,以免引起设备故障。
- 请勿将显微镜放置在热源或火源附近,如电炉、微波炉、烤箱、火炉等可能产生高温的环境。
- 请勿修改电池、插入异物、浸入水中或其他物体,避免过热、着火或爆炸。
- 请避免将显微镜存放在有跌落风险的场所,跌落可能造成显微镜内部镜头偏差或其他构件的损坏,以及其他不可修复的损坏。
- 如发生异常现象,请联系售后部门进行检修。私自拆解显微镜将不享受保修服务,并有可能导致不可修复的损坏。

如有疑问,请与本公司联系
最终解释权,归本公司所有

4.3-Inch Microscope

Model: DM4D

User Manual V1.0

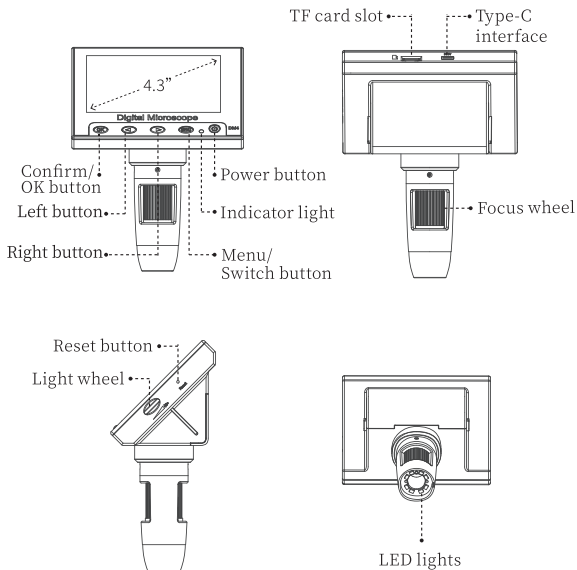
Please read this user manual carefully and keep it for future reference.

Contents

1. Parts and Functions	03
1.1-Functions introduction	04
2. Interface Introduction	05
2.1-Photo mode	05
2.2-Video mode	05
2.3-Playback mode	06
2.4-Menu mode	07
3.Function Introduction	08
4. Work with PC	09
4.1-Software download	09
4.2-Operating steps	10
4.3-USB function introduction	11
5. Specifications	12
6. Warning	13

1. Parts and Functions

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



1. Parts and Functions

1.1 Functions introduction

Confirm/OK button: When Photo mode, short press to take pictures and store automatically, When Video mode, short press to start/end recording; When viewing video files in Playback mode, short press to play video; When entering the Menu interface, short press to confirm the selection.

Left/Right button: When entering the Menu or Playback mode, it's the selection button; When entering the Photo or Video mode, it's the zoom in/out button.

Menu/Switch button: Long press to enter the Menu interface, and short press again to exit the Menu or return to the previous level; Short press to switch between three modes of Photo/Video/Playback.

Indicator light: When charging, the red indicator light is on; When fully charged, the green indicator light is on; When powering on, the blue indicator light is on.

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

TF card slot: Support maximum 32G memory card (Note: please use C10 high-speed card).

Type-C interface: This interface supports charging and data transfer.

Focus wheel: Rotate this wheel to focus on the observation object, slowly adjust until the picture is clear.

Reset button: When the microscope is abnormal, poke this hole with a fine pointed object to force the power off.

Light wheel: Turn the wheel to adjust the LED light brightness.

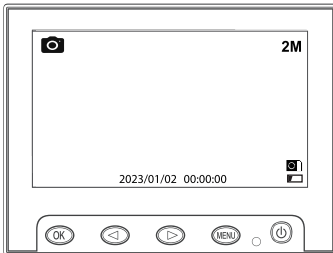
LED lights: When the observation environment is not enough light, it can make up light.

2.Interface Introduction

[Note: Before using the microscope, to ensure better storage of the photos /videos, please insert the TF card into the microscope first.]

2.1-Photo mode

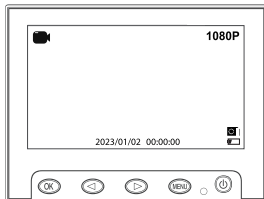
When the icon in the upper left corner of the microscope is "📷", it is in Photo mode, When the microscope is on, short press the Menu button on the microscope, it can switch to Photo mode.



2.2-Video mode

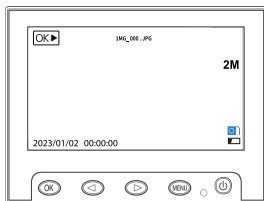
When the icon on the upper left corner of the microscope is "📹" it is in Video mode, When the microscope is on, short press the Menu button on the microscope, it can switch to Video mode.

2.Interface Introduction



2.3-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 Menu 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, or short press the Menu button again, you can return to the previous level to re-select the files you need to view.

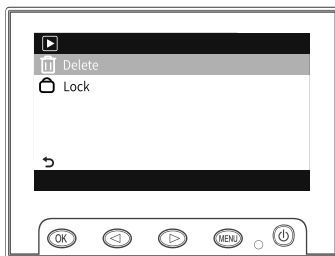
2.Interface Introduction

2.4-Menu mode

Long press the "M" button on the microscope to enter the menu interface in the Photo/Video mode, as shown in the following figure:



Enter the menu while viewing a file in Playback mode, as shown in the figure (you can delete/lock the current file)



3.Function Introduction

Image resolution: 1920×1080, 1280×720, 640×480

Video Resolution:1080P, 720P, VGA

Language setting:Setting language (English,Traditional Chinese,Simplified Chinese,Japanese,French,German,Korean,Italian,Portuguese,Russian,Spanish,Polish).

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

Screen savers:Select the appropriate time to turn off the screen automatically when the unit is not operated.

Frequency: Utility frequency setting.

Auto Power-off:Select the appropriate time to make the device shutdown automatically.

Format:This operation will delete all the data in the TF card. (Note: after deletion will not be able to recover, please operate with caution).

Reset System:Restore factory settings.

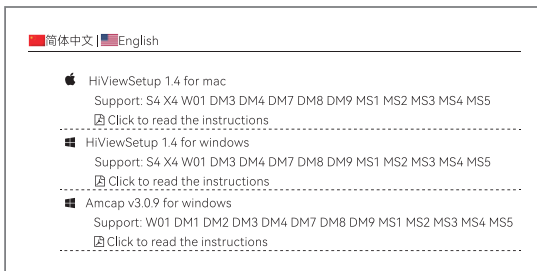
Version: Check the current firmware version.




4. Work with PC

4.1-Software download

*Note: The following 3 methods can be downloaded, please choose the appropriate version according to your computer system.

- ①Please download the applicable software from the following website: <http://soft.hvscam.com>(Suitable for: Windows 7, Windows 8.1, Windows 10, Windows 11 and Mac)



- ②When the computer system is Windows 8 or higher, search for "HiView" in the "Microsoft Store" to download (as shown in the picture" ); you can also use the built-in "Camera" of the computer to observe (as shown in the picture" ).
- ③For Mac OS x 12 or above,search for “HiView” in “App Store” you can also use the built-in "Photo Booth" of Mac to observe (as shown in the picture" ).

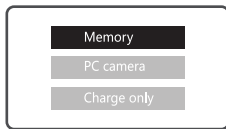
4.Work with PC

4.2-Operating steps

Step 1: Connect the computer and microscope through the Type-C data cable;

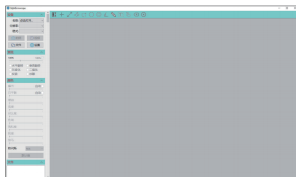


Step 2: When the microscope is turned on and a pop-up window appears, select "PC Camera" mode.



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

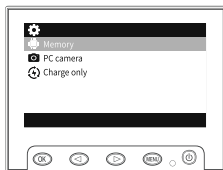
Note: When connecting the computer to view the image, please make sure to use the line with data transmission function)



4. Work with PC

4.3-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**Memory:** 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 Camera:**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 only:**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 bankto charge the microscope))

5.Specifications

Item	Parameter
Product Name	DM4D
Maximum Video Pixels	1080P
CMOS Size	1/6.5'
Picture Resolution	1920×1080, 1280×720, 640×480
Video Resolution	1080P,720P, VGA
Picture format	JPG
Video Format	AVI
Magnification	500/1000
Lighting	8LED (brightness adjustable)
Focus range	10-40mm (can view distant view)
PC resolution and image transfer rate	640*320/25fps, 1280*720/25fps
PC Operating System	Windows xp,Win7, Win8.1, Win10and above Mac OS x 12 and above
Supported Languages	12 languages
Interface and Signal Transmission Method	USB 2.0
Operating current	420ma
Power	2.1W

6.Warning

- TF card need to choose the transmission speed of C10, if you use a card with a transmission speed lower than C10, the use of pictures, video storage may be unsuccessful and other malfunctions.
- Do not place the microscope in direct sunlight, please avoid rain or humid environment, so as not to cause equipment failure.
- Do not place the microscope near the heat source or fire source, such as electric stove, microwave oven, oven, stove and other environments that may produce high temperature.
- Do not modify the battery, insert foreign objects, immerse in water or other objects to avoid overheating, fire or explosion.
- Please avoid storing the microscope in a place where there is a risk of falling, which may cause damage to the microscope's internal lens deviation or other components, as well as other irreparable damage.