

SUPEREYES

Handheld Digital Microscope (End-scope)

User's Manual

Introduction

Thank you for using SUPEREYES Handheld Digital End-scope

Handheld Digital End-scope has a wide scope of applications, such as:

1. Skin Test
2. Hair root test
3. Industrial inspections (such as print PCB board, precise equipment)
4. Printing
5. Textile
6. Biologic inspection
7. Antique and Jewelers inspection
8. Crime scene investigation
9. Others

Handheld Digital End-scope can be connect with computer and easy to operate

Using the additional software, you can make picture capture and video recording easily.

In order to make you enjoy the funny to use Handheld Digital End-scope, please read this User's Manual.

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Specification:

1. Resolution:2M
2. inner optic-lens
3. Magnification:10-200times
4. measurement function （some models has）
5. Take photos in shaking moment
6. Inner LED illumination
7. Display speed: 30FPS
8. Interface: USB (PC), AV

System Requirement:

The computers should be required as:

OS: Windows 98SE/Me/2000/XP, Win98/98SE/VISTA

XP/VISTA----don't need driver

CPU: Pentium 233MHz

Memory: 256MB SDRAM

Interface: USB2.0inter

HDD storage space: at least 600MB

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Safety Precautions:

1. Avoid touching the lens with finger to protect electrostatic damage.
2. Do not attempt to service this product yourself. Opening the covers may expose you to dangerous voltage points or other risks.
3. When hands are wet, do not plug in or remove the adaptor or other connectors.
4. Using or storing USB microscope, do not plug in any other cables.
5. Do not use any detergent or volatile solution, which will damage the camera case, painted surfaces & lens.
6. If the lens is dirty, please use a lens brush on soft cloth to wipe clean. Avoid touching them with your fingers. Exercise care to avoid scratching the lens.
7. Without protection, do not put Microscope outdoor to avoid the lens damaged by high temperature or humidity.
8. Humidity: 45%~85%.
9. If water has entered stage, immediately turn the power off and use dryer neither.
10. Using or storing USB microscope, need to watch all cables to avoid trip over.
11. To avoid electric shock, remove all electric PC or TV.

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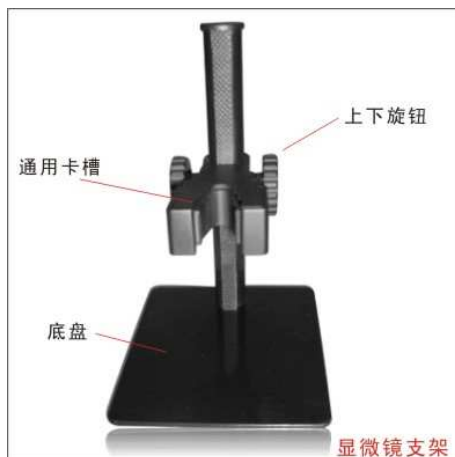
Component

1. The body of digital end-scope(attached photos on hardware installation and User's Manual)
2. CD(attached on the photos)
3. tripod(for microscope using)
4. Desktop microscope stand (optional)



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Software Installation Procedure

1. Plug USB Cable into PC(or put the AV into the AV of monitor after power on)

2. If need fix, please fix the body of microscope into the clip of the tri-pod (accurately operation please choose professional microscope-stand when accurately operation is needed), adjust the lens to the goods inspection.
3. Choose the suitable distance between the stage and the objects, adjust the focus.

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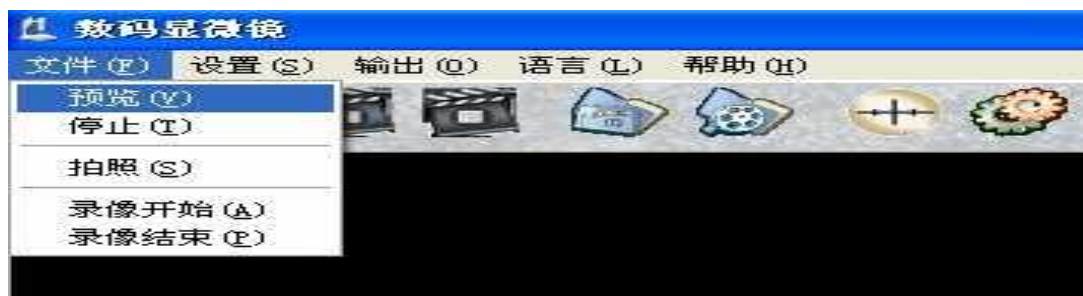
Software Installation Procedure

1. Installation

Installation should follow the bellow SUPEREYES setup installation instruction

2. How to review the microscope

After plug into USB port ,the machine will show “new device USB microscope ”on right bottom corner, that mean the machine find the microscope ,than you can select “preview” to view item your are testing.



3. How to make picture capture.

There is two ways that you can able to picture capture:

- A. Click “shoot” in” File” menu.

B. Select “Camera” icon



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4. How to make video recording.

Almost same as picture capture, you also have two ways that you can able to video recording:

A. Click “record start” in “File” menu.

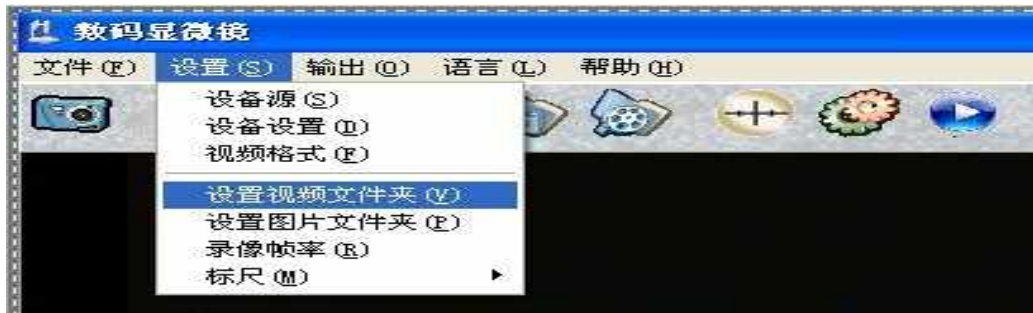
B. Select “video ” Icon



Select “pause” and “stop” to setup.

5. How to preset the picture and video recording file.

The default allocate file for picture and video is in the file of “Picture” “video” video in the software, but you can change the allocate file path by setting the “picture path” “Video path”.



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6. Review the picture and video that you taken.

When the photos and videos are preset in the file, you can open it through



---- Open the picture folder



---- Open the video folder.

And you can also review the picture/video by selecting the follow frames:



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7. Additional function:

A. Scale function: Click this button, the picture will have

Axis function .

C. Video format output function: you can customized your video format function by selecting AVI/WMV



Video player function: is  video player for recording video.

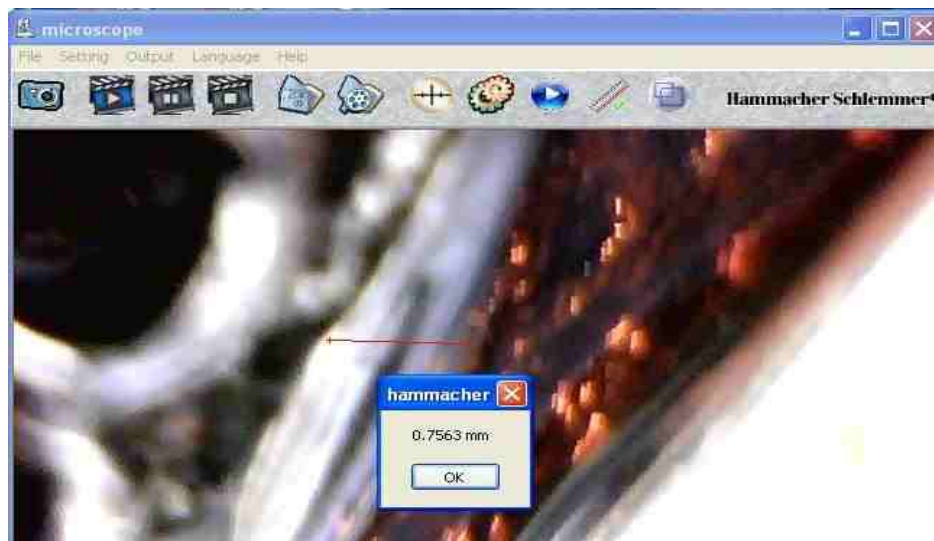
8. Language switch function.

Our software has three types language version available: Chinese, English and German.



9. To Measure the object :

Click the ruler icon on the tool bar and a check mark will appear on the screen, move the check mark to where u would like to measure, pull the check mark and release it , a measurement will pop up to the screen.



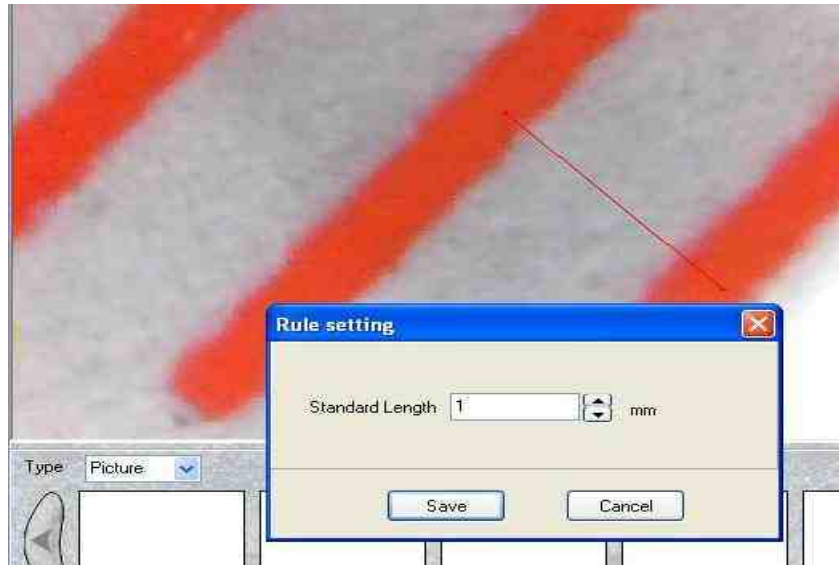
To Adjust Settings:

At setting option, select “device setting” , you can adjust the brightness, contrast, white balance, etc. , as you like.

Before your first measure, you need to adjust the measurement setting to get accurate measurement, otherwise the measurement will be wrong. Please follow below steps to get it done.

~ put a real ruler & use the microscope to view the “mm” section . Select
“measure setting” and a rule setting box is pop out.

Measure the “mm” section & change the Standard Length from the pop out



box to 1mm & click Save, the software will save it for the on
going measure.

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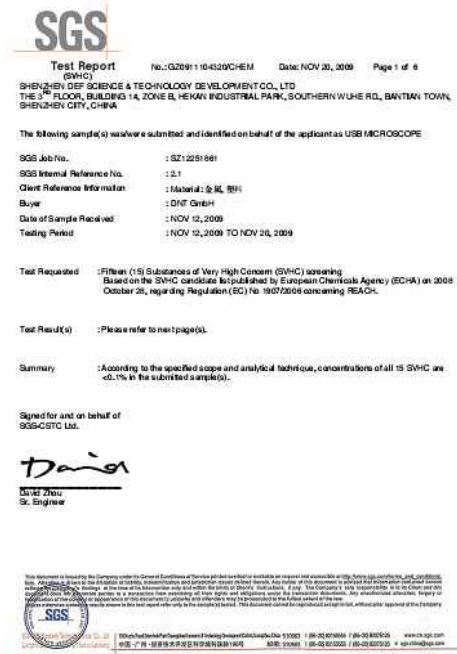
Difficulty resolution

items	Trouble vision	reason	solution
1	blank screen	LED is closed Preview is closed No suitable devices Bad connect with PC	Open LED Open preview Choose suitable devices Connect USB again

2	Picture vague、 discolour, slow	Dirty lens Incorrect focusing Bad connect with PC The Configuration of PC is too low	Clean by lens- bumf Adjust focusing Connect USB again Choose new PC
3	Picture distortion	Bad connect with PC Trouble inside of microscope	Connect USB again Back to repair
4	Flicker picture	Bad frequency	Choose the suitable frequency
5	Can not recognize	Bad connect with PC Trouble inside of microscope	Connect USB again Back to repair
6	Touch action slow, no action	Climate effect Trouble inside of microscope	Make the touch- bottom Humidity Back to repair

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Certificate



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Disclaimer

The manufacturer and distributor of this product shall not take the

responsibilities on the damages caused by the improper using of this product or other artificially damages.

The content of this User manual is based on the current specification of this product. The manufacturer D&F Corp shall not take the responsibility of any inconsistent of the specification to the product for the purpose of improvements and other reasons. meanwhile, D&F Corp do not have the obligation for updating the content and any information of this manual momentarily .

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