



# **Handheld USB Digital Microscope**

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Model No. A004/A004+

## **User Guide**

**FEBRUARY 2013**

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## Safety Precautions ⚠

1. To avoid electrostatic damage, do not touch the lens with finger.
2. Do not attempt to disassemble this product by 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. Do not clean the products with ethyl alcohol or other organic solvent.
5. Please use a lens brush or soft cloth to wipe clean.
6. Avoid touching lens with your fingers.
7. Temperature: 0°C ~ 40°C; Humidity: 45% ~ 85%.
8. If liquid entered, immediately turn off power. Please send to service center for repair. Do not use blow dry.

## Introduction

Thank you for purchasing Supereyes Handheld Digital Microscope. With this unit you will see a unique and “bigger” world. Handheld Digital Microscope is easy to use. It’s easy to zoom in on stamps, coins, paper currency, plants, insects, rocks and minerals, hair, skin, teeth, textile, and so much more.

Prior to the first use, we recommend reading this manual to get the best out of this unit.

## Computer System Requirement

- Windows XP SP2 or above, Mac OS X 10.5 or above, Linux
- CPU: Pentium 233MHz and above
- Memory: 256MB
- Interface: USB 2.0
- HDD storage space: 600MB and above

## Technical Specifications

Image sensor	2.0/5.0 Mega Pixels
Magnification factor	0.1 ~ 300/(0.1 ~ 500 times) continuous zoom capability
Focus range	0mm
Focus type	Auto
Photo capture resolution	(2592 X 1944 for A004+), 1600 X 1200, 640 × 480, 320 × 240
Photo format	JPG, BMP
Video capture resolution	640 × 480
Video format	High compression WMV, maximum 11 hours long
Display speed	Max 30f/s
Light Sources	LED illumination (adjustable by control wheel)
Interface	USB 2.0
Power source	5V DC from USB port
Operating System	Windows XP SP2 or above, Mac OS × 10.5 or above, Linux
OSD language	English, Chinese, Japanese
Software Bundle	Supereyes’ software with measurement and calibration function
Max Size	Ø17mm × 126 mm

## Package Information

1. The body of digital microscope.
2. CD for Supereyes Software and driver.
3. Tripod (optional for B005, B005+, B003+, B010 and etc.).
4. Adjustable stand (optional).
5. Health kit accessories (optional).

## Installation and use

1. Plug the USB cable into PC or Mac.

For Mac OS 10.5 or above, please use Photo Booth or Facetime to open the microscope;

For Windows XP SP1 or below, please install driver first.

For Windows XP SP2 or above, no driver is needed.

2. Install the Supereyes' software.

Put Supereyes CD into CD-ROM (if you have any problems with CD, please go to **[www.supereyes.cc](http://www.supereyes.cc)** to download software).

Click Supereyes Vx.x.Setup.exe in the CD to install software.

Note: this unit is plug and play. Other web camera software, such as MSN or Google online chat, could open it.

3. Start Microscope in Supereyes software (suggested). Please refer to the Supereyes Software User Manual.
4. If need, please fix the body of microscope into the clip of the tripod (for more accurate operation, please choose professional microscope adjustable stand), adjust the lens to the object inspected.
5. Choose a suitable distance between the microscope and the objects, and then adjust the focus.
6. Adjust the LED light by touch button (not for all models) or control wheel.

## Trouble Shooting

	Trouble vision	Possible Reason	Solution
1	Blank screen	LED is closed; Preview is closed; No suitable devices; Incorrect connection with PC.	Open LED; Open preview; Choose suitable devices; Connect USB again.
2	Vague picture, discoloration, slow speed	Dirty lens; Incorrect focus; Incorrect connection with PC; The Configuration of PC is too low;	Clean by Lens paper; Adjust focus; Connect USB again; Choose new PC;
3	Picture distortion	Incorrect connection with PC; Trouble inside of microscope.	Connect USB again; Contact to repair.
4	Flicker picture (Wireless model)	Bad frequency	Choose the suitable frequency.
5	Cannot recognized	Incorrect connection with PC; Trouble inside of microscope.	Connect USB again; Contact to repair.

## Technical Support

Visit Supereyes website [\*\*www.supereyes.cc\*\*](http://www.supereyes.cc) to find solutions to common problems and video tutorials. You can download drivers and documents under Technical Support. Please email [\*\*help@supereyes.cc\*\*](mailto:help@supereyes.cc) if you need help.

## 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 Guide 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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## Certifications



BUREAU VERITAS  
Consumer Product Services Germany GmbH



**S** Adressbureau P. Isidorov  
Regenerstr. 26B II (10665)  
Königsplatz 10, Berlin

*Bescheinigung über RoHS Anforderungen Verifizierung*  
*Certificate of RoHS Verification*

Kimsale : SHENZHEN DEF SCIENCE & TECHNOLOGY DEVELOPMENT CO  
 Applkaint : LTD  
 Anngres report base :  
 Contat person : ANDY WOO  
 Datam des. War-Related :  
 Date of report :  
 Kimsale in Reference : NOVEMBER 24, 2009  
 Chant Publication : 1

Article No.: Article No.:		EAC PLS Label No. EAC PLS reference no.	(0602) 8-22-09
Article Beschreibung: Article Description:		Funkbeschichtung: Funkschichtbeschichtung:	USD DIGITAL MICROSCOPE



Verification assessment according to RoHS Directive 2002/95/EC		
WEEE Classification	III	IT and telecommunication equipment

Das Produkt erfüllt nach den durchgeführten Untersuchungen die Anforderungen der  
Richtlinie 2002/95/EC.  
The product fulfills the requirements of the RoHS Directive 2002/95/EC.

*Barata Varitas Consona Prodest Servicus Germani Gudi*

<b>Standard Software: Gulliver's Travels</b> <b>Wilhelm-Henrichs-Straße 8</b> <b>D-14691 Schwane</b> <b>Tel: +49 30 38537-0 Fax: +49</b> <b>CPS.schwan@schwaner.com</b>	<b>Standard Hardware: Hardline Testing</b> <b>Georg-Wilhelm-Straße 103</b> <b>D-21107 Henslage</b> <b>Tel: +49 4639700-300 Fax: +180</b> <b>CPS.henslage@bussanet.de</b>	<b>Laboratory Accreditation: ISO 17025</b> <b>Hardenberg-Platz 100 3364 Schwane</b> <b>http://www.bussanet.de</b>
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Test Report No.: G2009110-0326CHEM Date: NOV 26, 2009 Page 1 of 5

SHENZHEN DEF SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD  
THE 3<sup>RD</sup> FLOOR, BUILDING 1A, ZONE B, HEKAN INDUSTRIAL PARK, SOUTHERN WUHE RD., BANTIAN TOWN,  
SHENZHEN CITY, CHINA

The following sample(s) was/were submitted and identified on behalf of the applicant as USB MICROSCOPE

SOS Job No.	: SZ12291661
SOS Internal Reference No.	: 2.1
Client Reference Information	: Material: 金属, 塑料
Buyer	: DMT GmbH
Date of Sample Received	: NOV 12, 2009
Testing Period	: NOV 12, 2009 to NOV 26, 2009

**Test Requested:** Fifteen (15) Substances of Very High Concern (SVHC) screening  
Based on the SVHC candidate list published by European Chemicals Agency (ECHA) on 2008  
October 28, regarding Regulation (EC) No 1907/2006 concerning REACH.

Test Result(s) : Please refer to next page(s)

**Summary** : According to the specified scope and analytical technique, concentrations of all 15 SVHC are <0.1% in the submitted sample(s).

Signed for and on behalf of  
RSCG-RTC Ltd.

Darius

David J. Housh  
Sr. Engineer

[illegible]


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## 测试报告

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以下测试之构造是由审查员所提供且确认:

908 工作编号	12208120-8Z
909 样品信息	请参见表格
908 内部编号	4.2
909 报告日期	2009年11月20日
测试周期	2009年11月20日 - 2009年12月01日
测试需求	根据客户需求测试
测试方法	请参见下一页
测试结果	请参见下一页

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高级工程师

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Number of the SOG-8 resp. SOG-9 (a)