



Handheld USB Digital Borescope

Model N013, N013J

User Guide

FEBRUARY 2013

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Printed in China

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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 Digital Borescope. With this device you will be able to see a hidden world. Prior to the first use, we recommend reading this manual to get the best out of this device.

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	0.3 Mega Pixels
Magnification factor	10X (N013); 0.1~ 200 times (N013J, continuous zoom)
Focus range	1cm
Focus type	Manual (N013) / Fixed (N013J)
Photo capture resolution	640 × 480
Photo format	JPGE, 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	∅7mm (Lens) × 800 mm (tube length)

Package Information

1. The body of digital borescope.
2. CD for Supereyes Software and driver.



3. Reflector mirror: 30°, 45°, 60° (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.

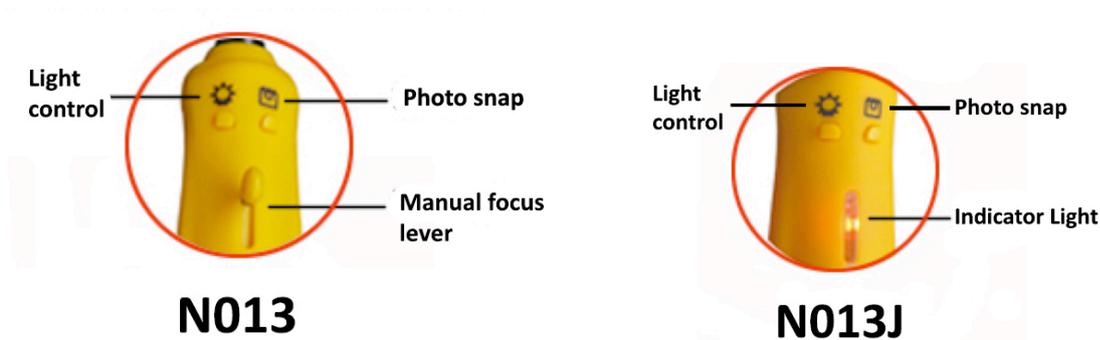
2. Install the Supereyes' software.

Put Supereyes CD in CD-ROM (if you have any problems with CD, please go to 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. Press the light button to adjust brightness.
5. Pull or push the lever in the middle of the handle (applicable for N013) to find focus; move the borescope until the image is clear (applicable for N013J).



Note:

1. Please do not bend the borescope over 120°.
2. Please do not use the product in strong acid, strong alkaline or high temperature environment.

3. Please do not push or pull the lever (N013) too hard, if the resistance is high.

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 to find solutions to common problems and tutorial videos. You can download drivers and documents under **Technical Support**. Please email 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

Timeway Technology Development Limited(Hong Kong)

TIMEWAY TESTING LABORATORIES

EC DECLARATION OF CONFORMITY

Certificate Number: 0909143

We, the
Shenzhen DEF science & technology development co.,LTD
Address: 3F, Building 16, Zone B, Hekan Industrial Park, Southern Wade Rd.,
Bantian Town, Shenzhen, China

Declare the Product
Description: USB Digital Microscope
Brand Name: MINIDOO
Model No: B002
Manufacturer: Shenzhen DEF science & technology development co., LTD
Address: 3F, Building 16, Zone B, Hekan Industrial Park, Southern Wade Rd., Bantian Town,
Shenzhen, China
Report Number: EMC0909143

Complies with the requirements of the
EC Council Directive on electromagnetic compatibility 2004/108/EC
Applicable Standard (s):
EN55022:2006+A1:2007 EN61000-3-2:2006
EN55024:1998+A1:2001+A2:2003 EN61000-3-3:1995+A1:2001+A2:2005

General Remarks:
The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific test carried out.
This certificate applies specifically to the sample investigated in our test reference number only.
The CE markings as shown below can be affixed on the product after preparation of necessary conformity assessment, as stipulated in article 10 of the Council Directive 93/68/EEC.

Manufacturer/Importer **CE** Test Laboratory
Signature:  KF Wan
For Chief Executive
Date of Issue: 2009-09-10

SGS

Test Report No.: G2091104320CHEM Date: NOV 20, 2009 Page 1 of 4
SHENZHEN DEF SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
THE 3RD FLOOR, BUILDING 16, ZONE B, HEKAN INDUSTRIAL PARK, SOUTHERN WADE RD., BANTIAN TOWN,
SHENZHEN CITY, CHINA

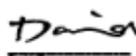
The following sample(s) was/were submitted and identified on behalf of the applicant as USB MICROSCOPE

SGS Job No. : SGT 2009 066
SGS Internal Reference No. : 12.1
Client Reference Information : Material: 金壳, 塑料
Buyer : DNT GmbH
Date of Sample Placement : NOV 12, 2009
Testing Period : NOV 12, 2009 TO NOV 20, 2009

Test Requested : PFlean (15) Substances of Very High Concern (SVHC) screening
Based on the SVHC candidate list published by European Chemicals Agency (ECHA) on 2008
October 21, regarding Regulation (EC) No 1831/2003 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
SGS-CSTC Ltd.

Daniel
Chief Analyst
Sr. Engineer

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Consumer Product Services Germany GmbH

AKS Akkreditierungszentrum
Registre Nr. A60 P 01383 01
Möbelschulz-Akkreditierungsstelle Hannover

Bescheinigung über RoHS Anforderungen Verifizierung Certificate of RoHS Verification

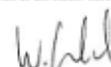
Kunde : SHENZHEN DEF SCIENCE & TECHNOLOGY DEVELOPMENT CO
Applicant: LTD
Angefragt von: ANDY WOO
Datum des Berichts: NOVEMBER 24, 2009
Date of report:
Kunde n. Referenz :
Client Reference :

Artikel No. : Article No. :	DV C 751 Labor No. : SV 12737 reference no. :	0909143/001
Artikel Bezeichnung: Article description :	Probenbezeichnung : Sample description :	USEDIGITAL 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
RoHS Richtlinie 2002/95/EC.
The product fulfills the requirements of the RoHS Directive 2002/95/EC.



Bureau Veritas Consumer Product Services Germany GmbH

BUREAU VERITAS Consumer Product Services Germany GmbH

Standort Schwaben: Software Testing Vöhringenstraße 13 D-18001 Schwaben Tel. +49 381 38037-0 Fax: -100 CP_Schwaben@bureauveritas.com	Standort Nürnberg: Hardware Testing Georgstraße 21-103 D-12107 Nürnberg Tel. +49 91 30700-1 300 Fax: -130 CP_Nurnberg@bureauveritas.com	Laboratory Accreditation/SD 17323 Händel-Platz 7/10 3364 Schwaben http://www.sgs.bureauveritas.com
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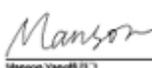
测试报告 No.: CANE0905780002 日期: 2009年12月02日 第1页, 共8页

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中国深圳市宝安区西乡街道铁岗社区工业路51-153号

以下测试之样品由客户提供并确认:
U盘显微镜

SGS 工作编号	:	12389120-52
测试样品名称	:	U盘显微镜
SGS 内部编号	:	4.2
样品接收日期	:	2009年11月20日
测试日期	:	2009年11月20日 - 2009年12月01日
测试语言	:	依照客户要求测试
测试方法	:	请参考下一页
测试结果	:	请参考下一页

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Manson Yang 杨飞
高级工程师

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