



# **Handheld USB Digital Borescope**

---

Model N013, N013J

## **User Guide**

**FEBRUARY 2013**

©2013 Shenzhen D&F Co. All rights reserved.

Printed in China

## Contents

Safety Precautions ⚠	1
Introduction.....	2
Computer System Requirement .....	2
Technical Specifications.....	2
Package Information .....	2
Installation and use .....	3
Trouble Shooting .....	4
Technical Support.....	4
Disclaimer .....	4
Certifications .....	6

## 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	Ø7mm (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.

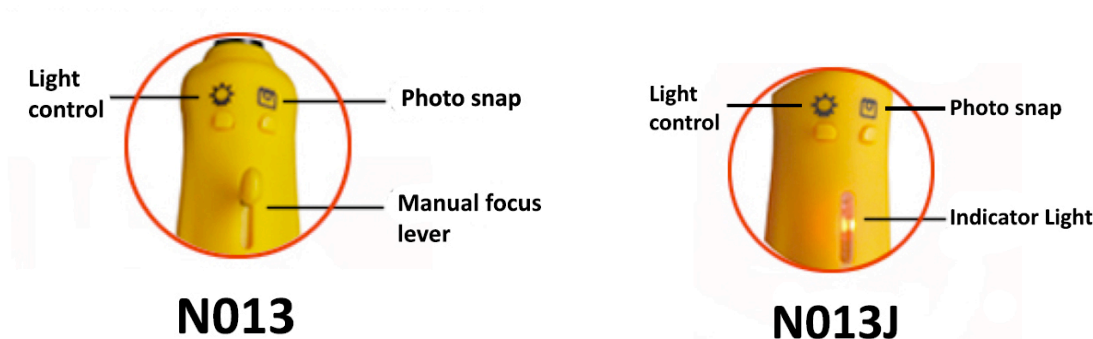
2. Install the Supereyes' software.

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



**Follow us**

**Facebook:** <http://www.facebook.com/pages/Supereyes/127271414107804>

**Twitter:** <https://twitter.com/SupereyesWorld>

# Certifications

