

D series

USB Videoscope system

User Manual



Contents

Overview

Product outlook.....	4
· D2000.....	4
· D3000.....	6
Accessories.....	6
Driver installation.....	7
Getting started.....	10

Operation

Instant mode 	11
Browse mode 	13
Setting mode 	14

Specifications

D2000.....	15
D3000.....	15

Cautions for Use

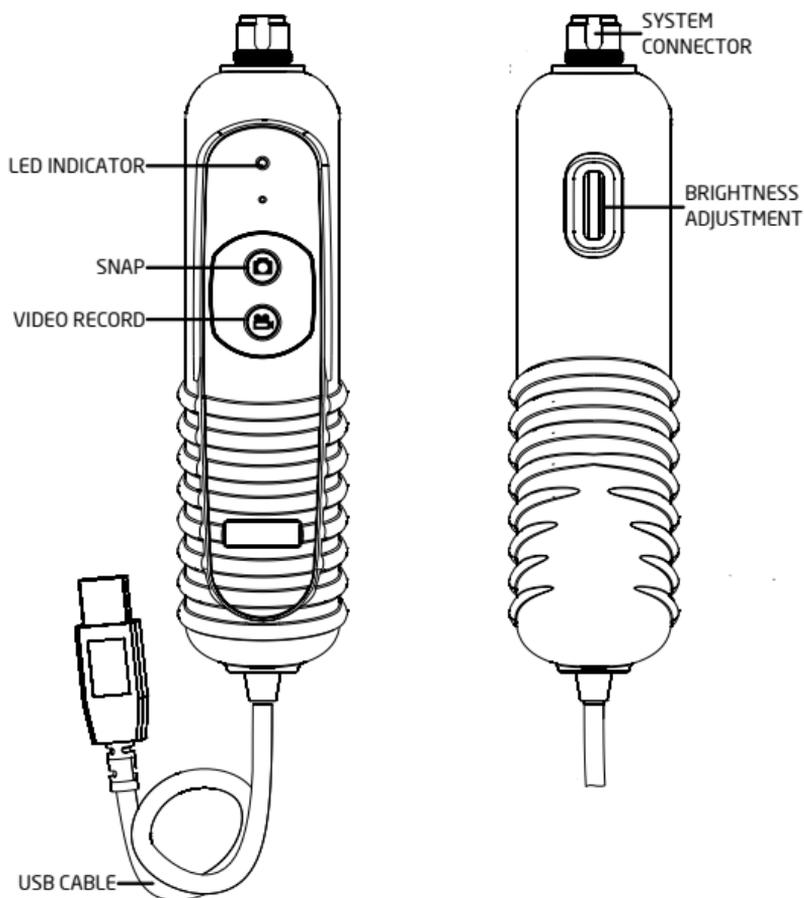
Troubleshooting.....	17
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Appendix

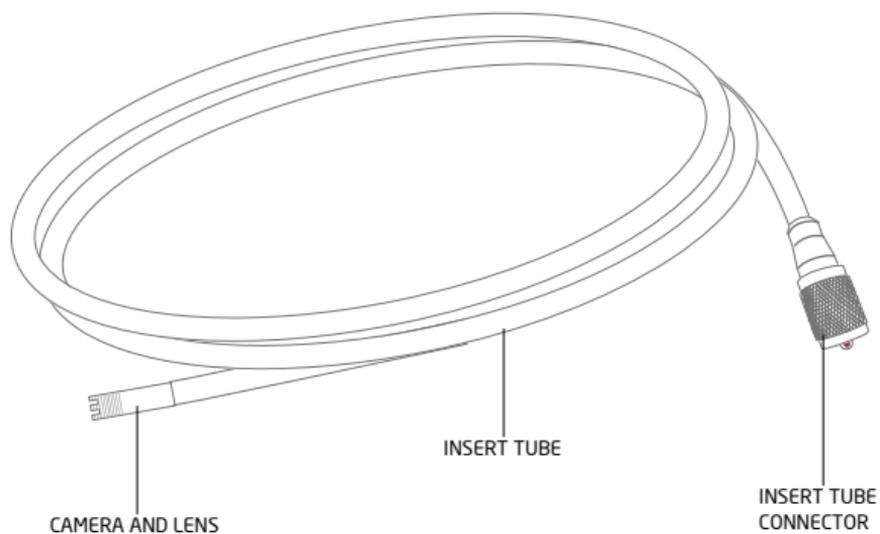
SYSETM OVERVIEW

Product outlook

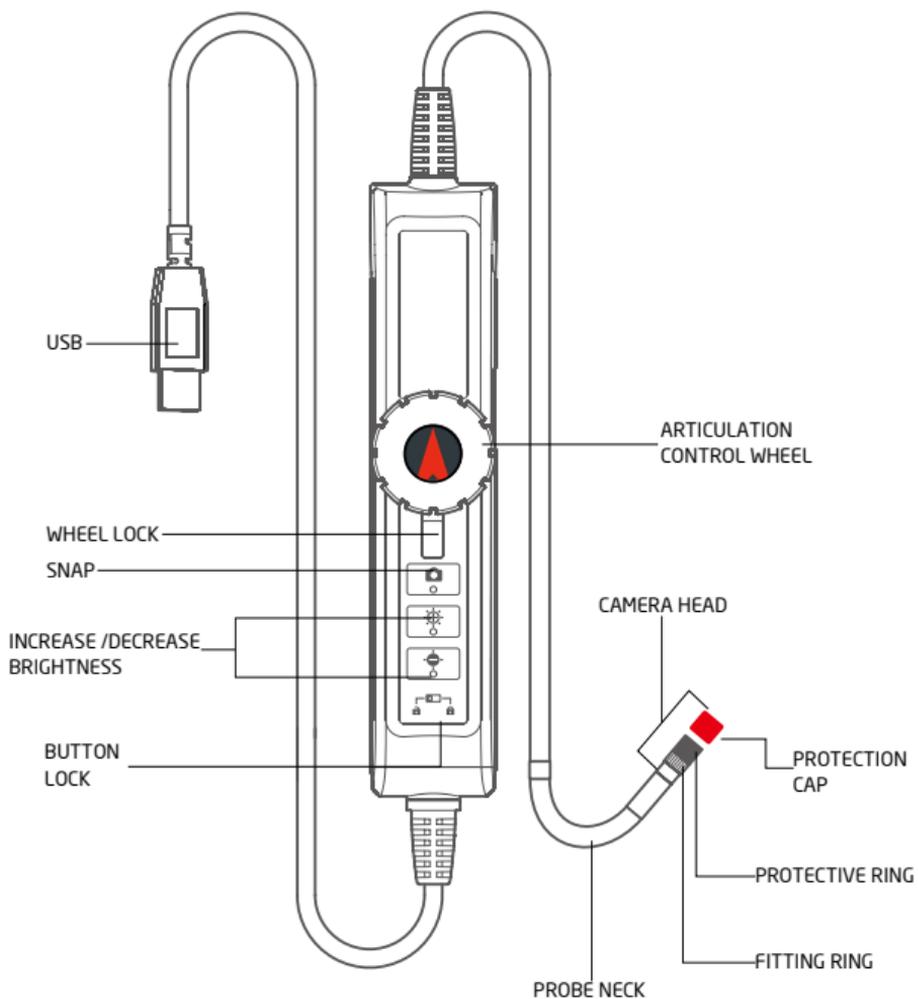
D2000



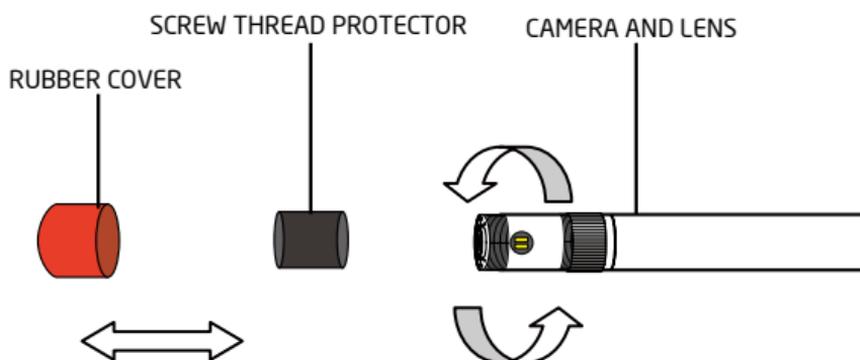
Insert Tube



D3000



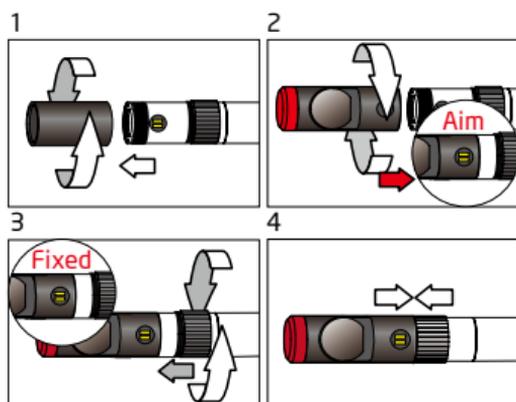
Accessories



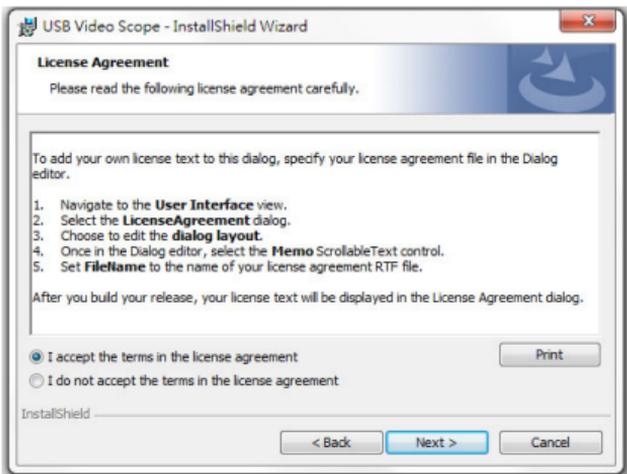
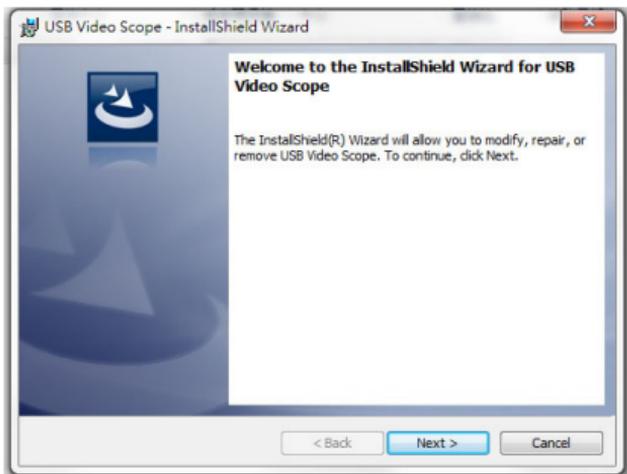
- Plug in/Unplug the rubber cover into/off the screw thread protector.
- Screw on/off the screw thread protector on/from tip.

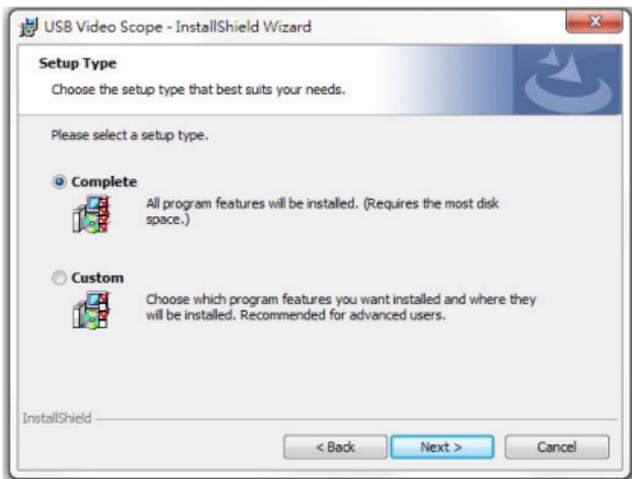
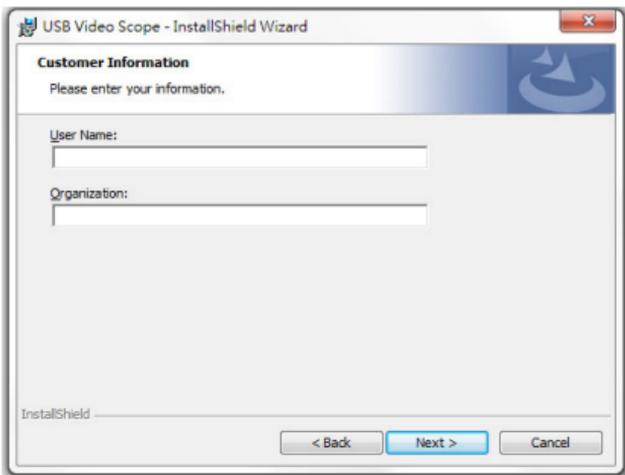


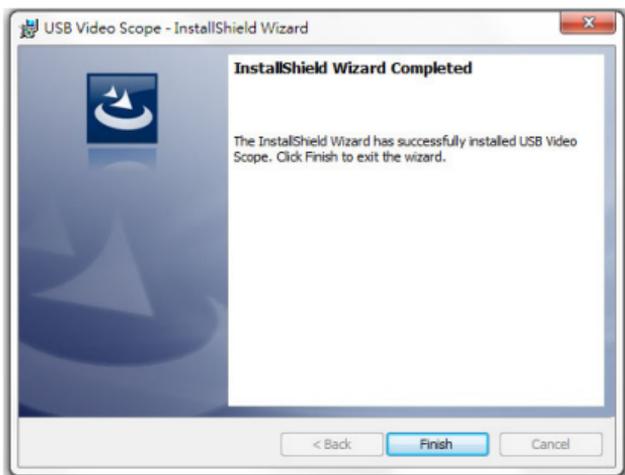
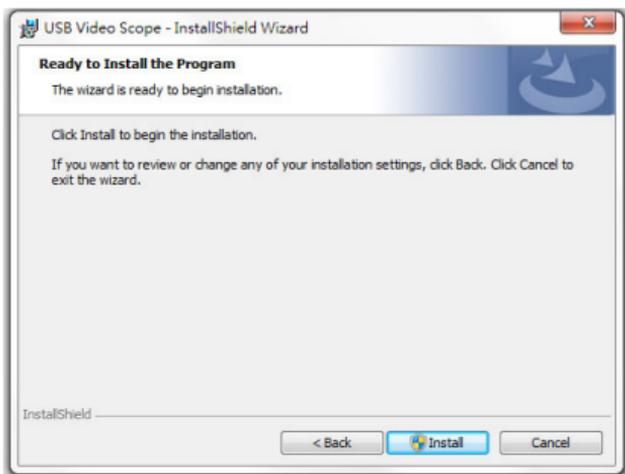
MIRROR



Driver installation







Getting started

Please connect insert tube and VideoScope system correctly before plug into the USB on your PC. We strongly recommend "NOT" hot swapping while using this system.

After plug-in your system, double click the application icon on desktop to start your inspection.

You can press snapshot or video record button to take photos and videos, and control the knob to adjust the brightness.



OPERATION

Instant mode



1. Snapshot - Click  button or `space bar` from the application window, or press the Snap button on the console to take a photo.
2. Video record - Click  button or `Ctrl + R` key on the application window or click the Rec button on the console (D2000 only) to start recording video. The red light on the console will keep blinking while recording is activated. To stop recording, click the Rec button on the application, or press the Rec button on the console (D2000 only) again.
3. Mirror - Click  or `Ctrl + M` key to flip the image horizontally.

4. Zoom in - Roll up the bar to zoom in the image from x1.0 to x4.0, You can also click the  key on your PC to zoom in, click the  key on your PC to zoom out.
5. LED brightness decrease - Click  or  key on your keyboard to decrease LED brightness.
6. LED brightness increase - Click  or  key on your keyboard to increase LED brightness.

*You can adjust brightness from the console

D2000 - control the brightness knob

D3000 - Press the   button on the console

7. Boost - Click  or  key to enhance the brightness under very dark environment.
8. Rotate - click  or  key to rotate image counter-clockwise 90°
9. Particle free - Click  or  key.
10. LED brightness indicator.
11.  Preview both photos/videos or  +  key.
12.  preview photos only, or  +  key.
13.  Preview videos only, or  +  key.
14. Click  to previous file, or  key.
15. Display 4 latest photo/video, press  ~  key to preview
16. Click  to next file, or  key.

Browse Mode

Press 2nd TAB on the screen or press any picture/video on the preview window. The Browse mode will not function if no pictures/videos in the folder.



Mirror

Click  or **Ctrl** + **M** key to flip the image horizontally.

Rotate

Click  or **F2** key to rotate image counter-clockwise 90°

Screenshot on video

You can click  or **space bar** key anytime during video playing to get still image

Video Play

Click  to play selected video, or **Ctrl** + **P** key

Click  to pause, click  to continue play, or **Ctrl** + **P** key

Click  to stop the video, or **Ctrl** + **S** key

Delete

Select the image click  on the up right of the photo / video image or  key

* Back to instant mode, click  key

SPECIFICATIONS

D2000	
System Dimension	159mm*40mm*44mm
System Weight	150g
Interface	USB
Button	snapshot/video record
Brightness control knob	increase/decrease brightness
LED Indicator	red light while in use
Video / photo file format	.avi / .jpg
Video / photo resolution	640 x 480
Working Temperature	0°C~60 °C
Storage Temperature	0°C~60 °C
Operating System	Windows® XP Windows® Vista Windows® 7 Windows® 8

SPECIFICATIONS

D3000	
System Dimension	184mm*35mm*51mm
System Weight	283g
Interface	USB
Articulation tube	6.0mm / 2 ways /1m
LED	front / side
Button	snapshot / brightness+ / brightness-
Video / photo file format	.avi / .jpg
Video / phot resolution	640 x 480
Working Temperature	0°C~60 °C
Storage Temperature	0°C~60 °C
Operating System	Windows® XP Windows® Vista Windows® 7 Windows® 8

CAUTIONS FOR USE

- ⚠ This product is designed for industrial use only. Do not use the system for human or any other biological inspection.
- ⚠ Do not use this product in a fuel tank or other dangerous environment such as a gasoline or alcohol storage tank.
- ⚠ Do not clean this product with corrosive liquid, such as alcohol.
- ⚠ Do not try to disassemble the product, it may cause electric shock and could damage the unit.
- ⚠ Please use only recommended components or accessories. Unapproved accessories and components may cause damage.
- ⚠ Avoid direct exposure to sunlight for long period of time. Store the system in a cool, dry and well-ventilated place.
- ⚠ The insert tube contains a series of small wires that control the optics and electronics of the camera tip. To ensure long-term reliability, do not bend the insert tube more than 180 degrees, and always bend the insert tube in as large an arc as possible during usage and storage.
- ⚠ Camera lens cleaning: Use cleaning liquid and swab provided in the cleaning kit for camera head cleaning.

Troubleshooting

1. Due to the compatibility of PC/laptop, please try different USB port or PC/laptop if D3000 system installation failed or unstable after installation.
2. When system plug-in and execute the application, the red LED light on the console will automatically on, if not, please close this application, and start plug-in USB and run the application again.
3. Screen freezes: please check if the screen display shows the image from the insert tube, if yes, please close this application, and start plug-in USB and run the application again, if not, check the camera that connected with your PC/laptop and shutdown the camera.

Appendix-Shortcut

Instant Mode

Function	Function icons	Keyboard shortcut
Snapshot		Space bar
Video recording		Ctrl + R
Mirror		Ctrl + M
Zoom in/Zoom out	Scroll bar ↑ ↓	↑ ↓
Brightness		→ ←
Boost		F1
Rotate image		F2
Particle free		F3
Preview photos and videos		Alt + A
Preview photos only		Alt + P
Preview videos only		Alt + V
Previous file		PgUp
Next file		PgDn
Delete file		Delete

Browse Mode

Function	Function icons	Keyboard shortcut
Snapshot		Space bar
Mirror		Ctrl + M
Rotate image		F2
Preview photos and videos		Alt + A
Preview photos only		Alt + P
Preview videos only		Alt + V
Play / Pause Video		Ctrl + P
Stop Video		Ctrl + S
Previous file		PgUp
Next file		PgDn
Back to Instant Mode		Esc
Delete file		Delete

