

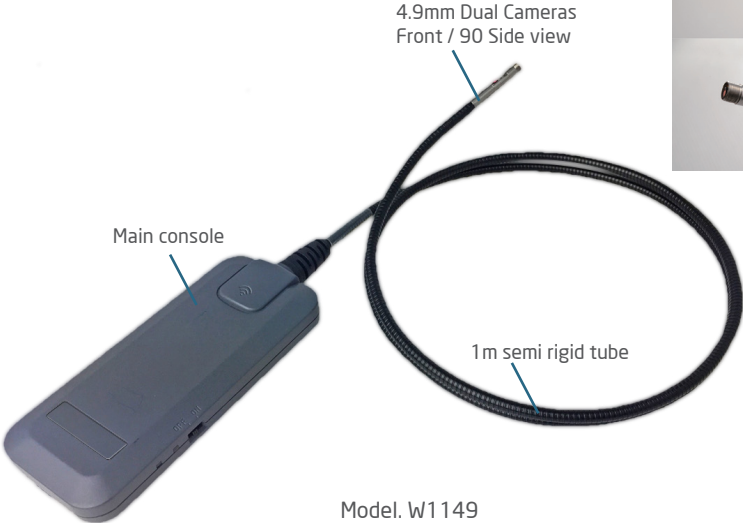
Wi-Fi 4.9mm Dual Cameras Videoscope



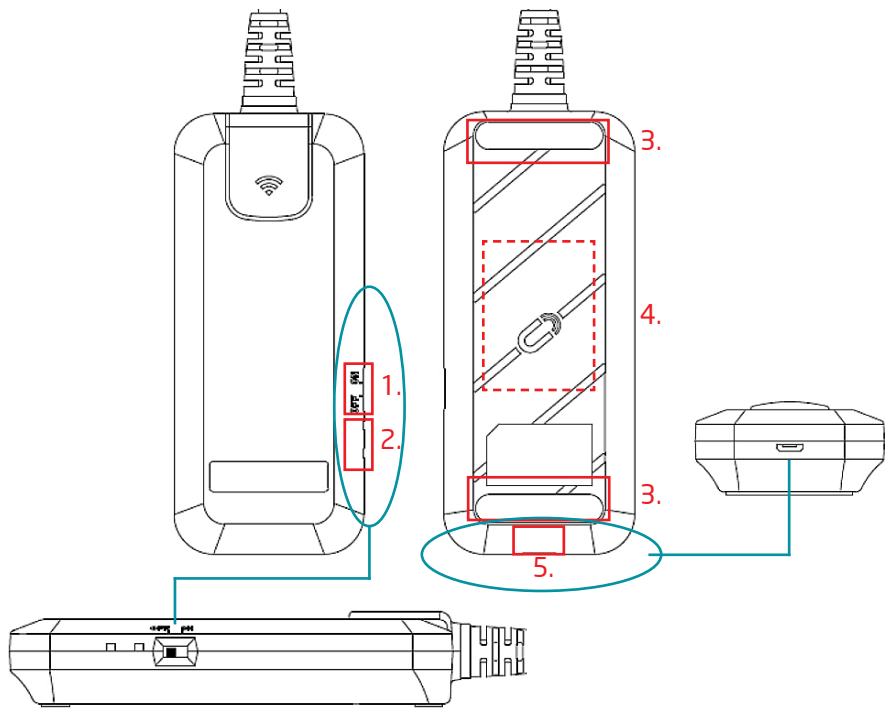
Wi-Fi 4.9mm Dual Cameras Video scope user manual

Product Outlook	3
1. Hardware	3
1.1 Main console	4
1.2 Accessories	5
2. Software(APP).....	6
2.1 Connection mobile to main system	6
2.2 Functions & user interface	7
Specifications.....	9
Safety & Cautions.....	10
Trouble shooting.....	12

PRODUCT OUTLOOK





- 1.1 Main console



No.	Features	Description
1	Power switch	On / Off
2	LED indicator	(1) Green: power on; Red: charging ; Orange: charging with power on (2) Red: low battery <Note>
3	Rubber pad	Protection from magnetic attachment objects
4	Magnet area	Built-in magnet
5	Charging port	Micro USB port

<Note> When the LOW BATTERY red light is on. Generally, the system can last about 15 minutes operation.

• 1.2 Accessories

Item	Description
USB charging cable	<ul style="list-style-type: none">● Length: 30 cm● USB connector: Type A / Micro B. 
Steel plate	<ul style="list-style-type: none">● 65 mm *45mm with back adhesive 

<Note>

1. The USB charging cable is compatible with general mobile power adaptor. Any complementary cable can be applied for charging.
2. The steel plate is for magnet attachment with additional display or other devices usage when needed.

- 2. Software(APP)

Videoscope i' is a specifically designed APP for the "Wi-Fi 4.9mm Dual Cameras Video scope". It provides intuitive user interface of convenient operations: front-view/side-view camera switch, LED light adjustment, snapshot, recording.

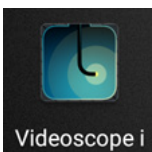
The APP create a 'videoscope i' folder in your original OS picture albums. The beta version provides album function quickly connecting to the folder to review snapshots.

For the hardware video .AVI format may not supported by mobiles' original OS, we suggest users download any free 3'rd party media player APPs support AVI format. (such as KMPlayer/VLC)

Note: OS Support - iOS 10.x above. Android 4.x above. Please keep your APP market/Store auto update setting enabled for accepting new version notification.

- 2.1 Connection mobile to main system

Step 1. Install the "Videoscope i" APP on the Android Google Play or Apple APP Store.



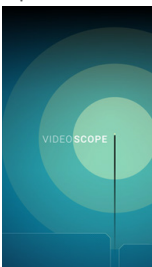
Note: Google Play and the Google Play logo are trademarks of Google LLC. Apple, App Store is a trademark and service mark of Apple Inc.

Step 2. Connect main system to mobile device:



Note: The main console power-on and system boot process may take 10~20 seconds. Generally, the tip LED turns on when system boot complete and ready for use.




Step 3. Launch the "Videoscope i" APP.



• 2.2 Functions & user interface

- Main screen_ Landscape

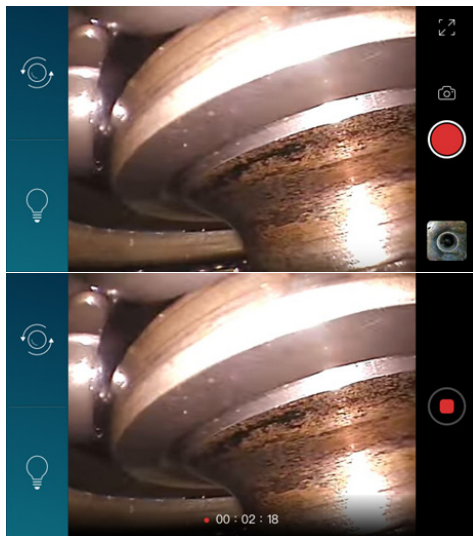


Functions		Description
Front / side view control		Tap to switch the front / side camera
LED light control (new)		Tap & pop-up light control bar. Tap image area, the light control bar withdraw.
Snap shot/ Record		Tap the icon to switch snap shot / record mode.
Album	-	Link to the original Android/iOS photo album & "Videoscope i" folder.

- Main screen_ Portrait



- Main screen_record mode



- Main screen_LED light control



- Main screen_full screen



SPECIFICATIONS

Console

Item	Description
Dimensions	L: 113 mm, W: 48 mm, H: 23.8 mm
Power source	Built-in 1150 mAh Li-ion battery
Battery	Up to 2 hours typical operation 2 hours charging
Power	≥ DC in 5V 1A, USB compatible plug
Wireless standard	IEEE 802.11 b/g/n, 2.4GHz
Antenna	Built-in
Transmission distance	0~10m (Typical open space)
Image format	640*480 JPG
Video format	640*480 AVI
Working temperature	0°C ~ 45°C
Storage temperature	-10°C ~ 60°C
Drop Resistance	1m
Certification	CE , FCC

Probe

Item	Description
Probe head Diameter	4.9mm
Head length / material	28mm / Stainless steel
Probe Length / material	1m / Steel semi-rigid type
Light source	Front / Side LED. Dimming control by APP
FOV	56°
DOF	10mm~60mm
Working temperature	-10°C ~ 60°C
Storage temperature	-10°C ~ 60°C
Water / Dust proof	Under water 1m for 30 minutes

SAFETY & CAUTIONS


SAFETY GUIDE

USER MUST PAY ATTENTION TO THE INFORMATION PROVIDED HERE TO ENSURE SAFETY.

We suggest you read the following statements carefully before using the system.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Never replace the battery by yourself. Risk of explosion if battery is replaced by an incorrect type.

 **WARNING** If this product is used without observing the information given under this symbol, it might cause injuries or loss of life.

CAUTION If this product is used without observing the information given under this symbol, it might cause damage to this product.

 **WARNING** HAZARD ENVIRONMENT

- Do not use this system in explosive environments such as gasoline or alcohol storage tank.

 **WARNING** FLAMMABLE GASES

- Do not use this system near flammable gases.

 **WARNING** INDUSTRIAL USAGE ONLY

 **WARNING** INTENSIVE LIGHT MAY CAUSE EYE INJURY

- Avoid looking at the probe head while LED is on.

CAUTION CERTAIN SUBSTANCES MAY DAMAGE THE PROBE

- Please refer to Chemical resistance below. Contact the store you purchased for unsure chemical solutions for further information.

Chemical Resistance

- Water
- Brake fluid
- Gasoline
- Diesel fuel
- Transmission fluid

CE NOTICE

The 4.9mm Dual Cameras Videoscope System is in conformance with the following standards:

- 2014/53/EU Electromagnetic Compatibility Directive

RoHS NOTICE

The 4.9mm Dual Cameras Videoscope System is in conformance with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive. This means that our product is both lead-free and without the hazardous substances either in the manufacturing process or in the final product

FCC NOTICE

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Federal Communication Commission (FCC) Radiation Exposure Statement:

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

(Sec. 15.247)

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

(Sec. 15.19)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation

(Sec. 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.




TROUBLE SHOOTING

No.	Trouble Condition	Solution
1	Cannot find the W1149 device on the Wi-Fi network list.	<ul style="list-style-type: none"> ● Reboot the main system console. ● Restart the mobile Wi-Fi again. ● Contact your local provider if it still cannot work.
2	The W1149 already on the Wi-Fi network list but cannot link to it.	<ul style="list-style-type: none"> ● Restart the mobile Wi-Fi again. ● Try to clean the Wi-Fi network setting temporary files: <ul style="list-style-type: none"> Android- <ul style="list-style-type: none"> (1) get to the 'settings->Wi-Fi' (2) long tap the device SSID: W1149 (3) chose 'clean' The steps may vary from different mobile phones. Please refer to your original mobile phone instructions. iOS- <ul style="list-style-type: none"> settings > general > reset > reset networks ● Contact your local provider if it still cannot work.
3	"Connection Failed" message on the APP screen during use.	<ul style="list-style-type: none"> ● Check the power status of the console. ● Tap 'try again'. Live image will recover in about 20 seconds. ● Contact your local provider if it still cannot work.
4	Wi-Fi connection and image	<ul style="list-style-type: none"> ● Reboot the main system console. ● Check the power status of the console ● Contact your local provider if it still cannot work.

Before start using product, download necessary Apps on your smart phone.



√ Install the 'Videoscope i' for product usage.
√ Install the open-source 'VLC' media player for AVI format videos. (or other preferred players compatible with AVI media)



√ iOS 10.x above is required.
√ Search & install the 'Videoscope i' for product usages.

Note: 'VLC' is a open-source 3rd party App. VLC logo, SERVICE and trademarks belong to the Videolan organization.

Google Play and the Google Play logo are trademarks of Google LLC. Apple, App Store is a trademark and service mark of Apple Inc.

NOTE

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Manual