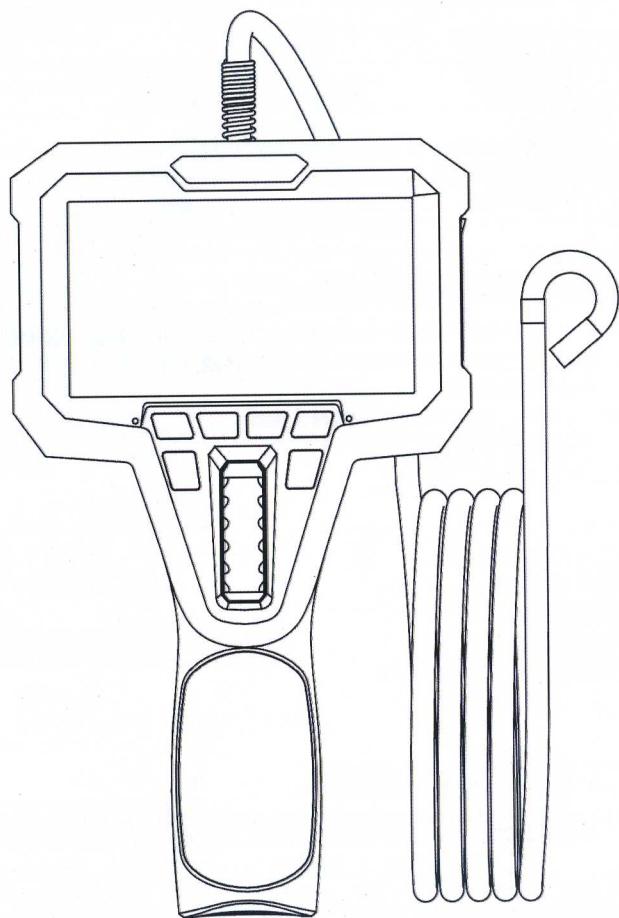


USER MANUAL

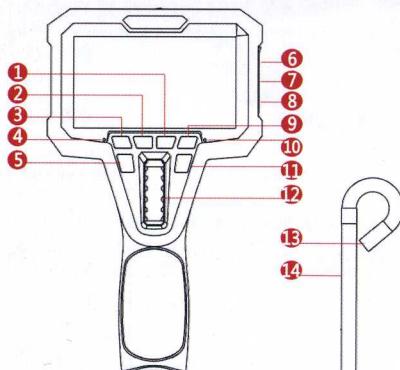


BORESCOPE

Articulating Borescope

- The product is a steering borescope designed specifically for industrial testing and maintenance, aimed at assisting technicians in maintenance and troubleshooting.
- The product is equipped with a HD camera and advanced imaging technology. It can transmit clear images in real time. Accurately detecting surface defects, cracks, abrasions, and other issues of objects to improve quality and efficiency.
- The product is flexible and reliable, allowing for easy access to strait spaces, Realize comprehensive detection.
- The product has a high temperature warning function, When exceeds the maximum temperature the endoscope can withstand, It will cut off the power and reduce product damage caused by high temperatures.
- Warning:** Don't place the probe in higt temperature environment (below 70 °C)
Please keep the snake tube straight when using.

Appearance Introduction



- 1 Down / Image rotate
- 2 UP / Zoom in
- 3 Menu setting
- 4 MIC
- 5 OK / Photo / Start/stop record
- 6 Type-C Charging / Data
- 7 TF Card Slot
- 8 Reset
- 9 Mode : Photo / Video record / Album
- 10 Indicator : Red—Charging , Green—Fully charged
Blue— Power ON
- 11 Power ON/OFF / LED light Adjustment
- 12 Wheel—Adjust Camera direction
- 13 Snake Tube
- 14 Megapixel HD Prode

Technical Parameters

Camera Lens Diamter	3. 9mm	5.5mm	6.2mm	6.5mm	8.5mm
Snake Tube Length	1m/2m	1m/2m/3m	1m/2m/3m	1m/2m/3m	1m/2m/3m
Material Snake Tube	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic
Depth Of Field	20-80mm	15-100mm	15-100mm	15-100mm	20-100mm
Field Of View	80°	90°	90°	90°	80°
Lighting source	6 LED Lights	6 LED Lights	6 LED Lights	6+1 LED Lights	6/8 LED Lights
Sensor	1/9" CMOS	1/9" CMOS	1/9" CMOS	1/9" CMOS	1/6" CMOS
Pixel	100W	100W	100W	100W+100W	200W
Screen Size	4.3" LCD IPS Screen				
Manual Dimming		Support			
APP Language		Support	Multiple Languages		
Battery Type		3.7V/2600mAh Lithium Battery			
Stockpile		TF Card(32GB Max)			
Operating Environment		-10°C to 50°C			
Protection class		The Whole Machine Is Not Waterproof			

Icon Statement

a. Recording:		No show
	Record On	Record Off
b. TF card:		
	With TF card	No TF card
c. LED:		
	Level 1	Level 2
	Level 3	Level 4(turn off)
d. Battery:		
	Power 25%	Power 50%
	Power75%	Full
	Battery Runs Out	Charge Immediately
	Charging	

Operational Guidance

1. Power On/Off

Press  the host button for 3 seconds for power on , IPS screen indicator lights blue , press  3 seconds for power off.

2.LED Light Adjustment

After power on, the LED light is the brightest by default setting, press the button  to adjust the brightness, the brightness is divided into 4 levels, and the fourth level is turning off the LED light.

3.Mode

		 △	 C	 ok	 M
Menu setting	Zoom in	Image rotate	Photo	 Mode 1	
Menu setting	Zoom in	Image rotate	Start/Stop record	 Mode 2	
Delete/Protect Lantern slide	Last/Rewind	Next/Forward	Play/Pause	 Mode 3	

4.Other Settings

In photo or video mode, press  to set the "Resolution" and "Date Sticker", among which:

a. Resolution can choose "VGA"、"720P"、"1080P".

b. After the date sticker is turned on, when taking a photo or video, the date of the photo/video will be displayed in the lower right corner of the photo or video.

In the photo or video mode, press  to make the following settings:

c. Automatic shutdown, you can choose setting "off" or "3 minutes", "5 minutes" and "10 minutes",

Automatic shutdown after minutes;

d. Language setting, support "Simplified Chinese", "Traditional Chinese", "Japanese", "English", "Korean", "French", "German", "Russian" and "Spanish", default "English".

5.Charging

Connect the device to the charger (DC5V) with Type-C cable for charging, The device does not support fast charging

Cautions

Please read this manual carefully before using this product, and follow the instructions to avoid the damage caused by improper use.

1 . Please don ' t use our snake tube camera with other manufacturers borescope parts without authorization, even if the interfaces are the same.

2 . Please don ' t use the product in areas where it may be exposed to wire or charged objects, as the exposed metal parts can be electrically conductive and may cause unexpected accidents.

3 . Please don ' t allow minors to operate this borescope separately, and it's forbidden to use this borescope for medical or human and animal testing.

4 . Please keep the product clean, avoid exposure to the sun, or direct contact with water, oil and corrosive liquids.

5 . NOTE: The whole borescope is NOT WATERPROOF! But IP67 Waterproof lens, Please dry the water stain on the lens after use.

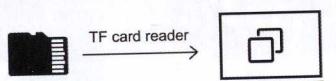
6 . Please take it lightly, do not over-tugging the tube, the maximum bending of the snake tube is one circle.

7 . Please make sure that the Wheel is returned to the neutral position before pulling out the snake tube. It is strictly forbidden to turn the Wheel roughly.

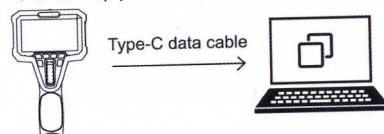
8 . Please use the original USB cable for charging.

Copying Photos

A: Copy to computer using TF card reader



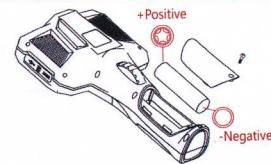
B: 1. Connect the computer with data cable
2. Borescop power on



Battery Installation

1. Unscrew the handle battery screw cover and take out the battery,
2. Please pay special attention that the positive and negative poles of the battery correspond to the positive and negative poles on the endoscope handle. After fixed, close the battery cover and Tighten the screw.

NOTE: Before replacing the battery, please make sure the device is dry and shut down.



Troubleshooting

Fault	Possible causes	Method
Can't charge	1.The charging interface is dirty. 2.Damaged charging cable.	1.Clean the charging interface and re-plug it. 2.Replace the charging cable or charger.
Blurry Imag	1.The probe is dirty. 2.Probe is not within the range of the depth-of-field. 3.Damaged lens due to high temperature.	1.Clean the probe with the lint-free cloth within the package. 2.Please place the probe within the depth of field range of 20-100mm. 3.Do not place the probe in a high temperature environment (below 70°C).
The probe steering range is too small	Snake tube is distorted	Keep the snake tube straight to use.
Unable to Power-on	1.Dead Battery 2.Incorrect Installation	1.Please recharge or replace the battery. 2.Please check the battery and battery compartment contact if it is dirt or deformation, then reinstall the battery
Auto Power-off	Low Battery	Please recharge or replace the battery.
Boot screen stuck	1.Failed to start the system. 2.Low Battery.	1.Long press "Reset" button. 2.Reassemble the battery and restart it, then charge it.
Image cannot be recorded or found	SD card capacity is insufficient.	1.Replace the SD card or delete unnecessary files. 2.Formatting the SD Card.
"SD card error" or "Format" when inserting	The position of the card is deviated.	1.Clean the SD card contact. 2.Reinstall the SD card.

Warranty Limitations

REMINDER: Be sure to use your product as directed.

Free services will not be available in the following situations:

1. Damage caused by improper storage.
2. Damage caused by the customer's own disassembling.
3. Damage caused by the customer's own modification.
4. Damage caused by other irresistible factors.