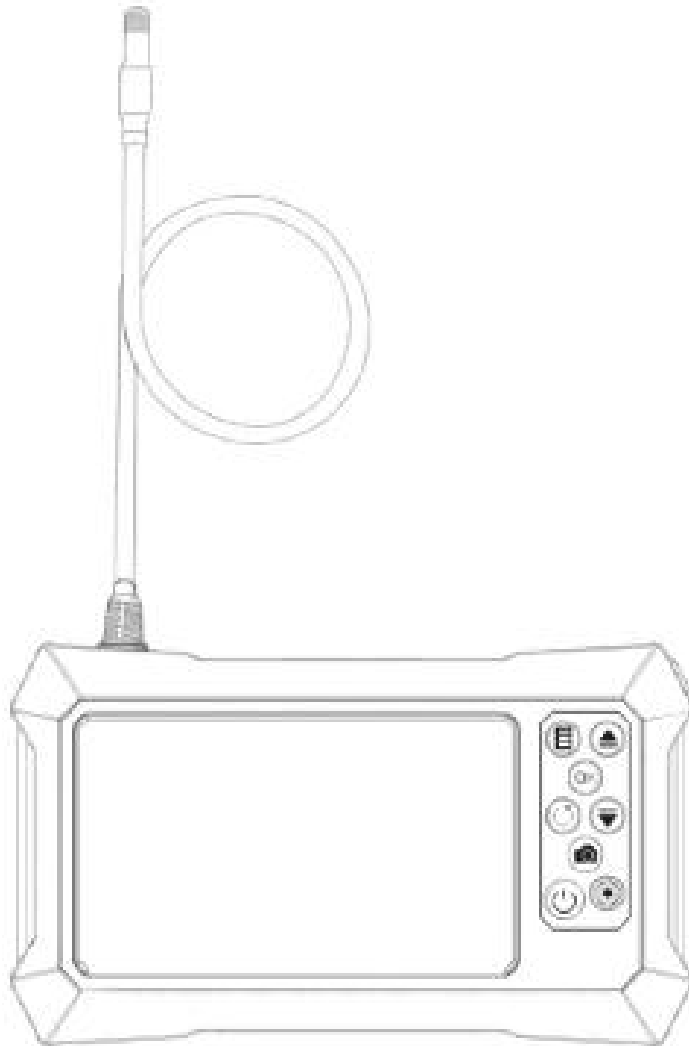


# Circulating 360° Forward And Reverse Endoscope



User Manual

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EN

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## **SAFETY WARNING:**

WARNING! Read and understand all instructions, failure to follow all instructions below may result in electric shock, fire or serious personal injury

## **WELCOME :**

Welcome to buy this product ,Please read the manual carefully before use. This product is practical device with real-time video viewing , video recording and image

Capture functions . it is suitable for narrow areas and areas where it is impossible to

Observe . such as. car repair , sewer inspection / maintenance, etc.

## **FEATURE:**

1. 4.3-inch full-color LCD screen, real-time viewing test video
2. Resolution up to 1080P used for image capture and recording
3. TF card can be installed to achieve file storage video function
4. 8.5mm diameter high sensitivity waterproof lens, with clear picture quality, suitable

For different working environments

5. Special technology, focal length is 3cm-10cm
6. Auxiliary light source , 7 adjustable LED lights, easy to use in dark environment
7. IP 67 waterproof



Video



Take photo



4.3 inch



TF card



1080P



IP67



7 LED lights



USB

## **APPLICATION:**

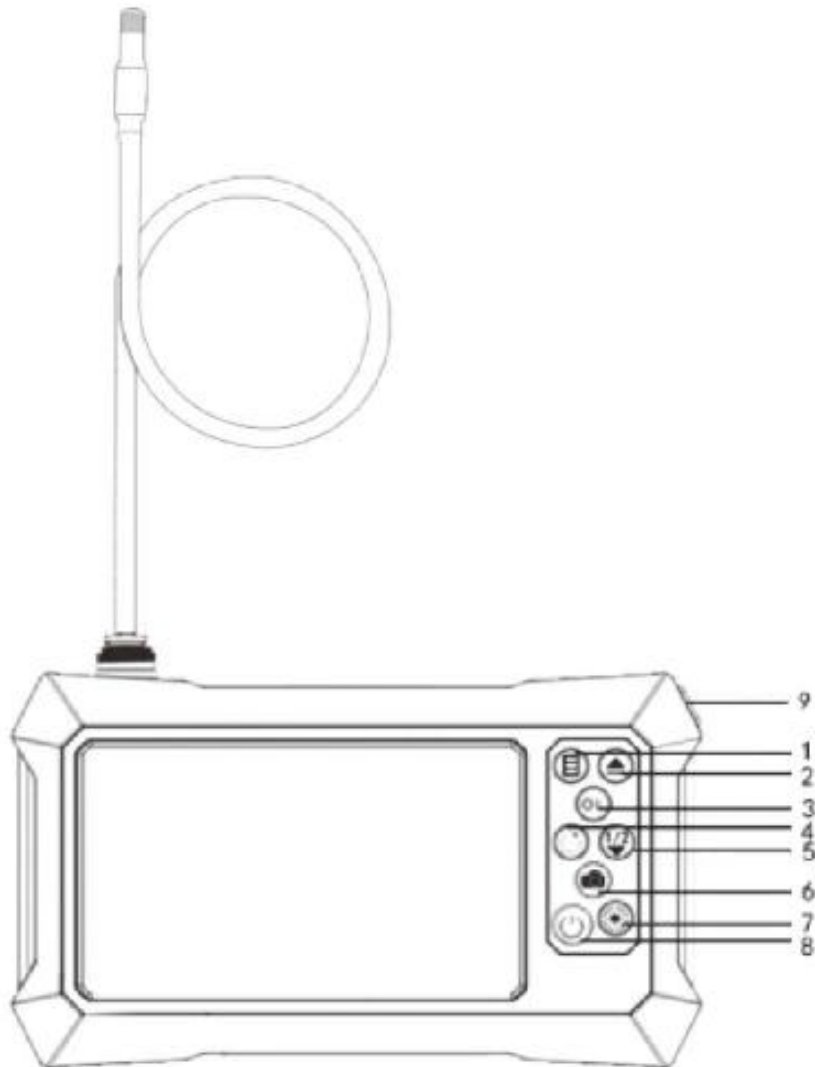
1. Tubular / water pipe cleaning :after checking the pipe, it helps to clean, rust corrosion , dust and cracks
2. Shipbuilding industry : used to check boilers ,steam turbines , diesel engines ,pipes
3. Industrial machinery : used to check engines cars or wear, gearbox, hydraulic system, greatly reduce downtime
4. Electronics . electronics industry: used to confirm the wiring status of products , check the working status of the machine , etc

## **PACKAGE LIST:**

1. LCD digital endoscope
2. User manual
3. USB data cable
4. Accessories-hook, magnet, protective cap . reset pin

## FEATURE INTRODUCTION:

(1)Part names and functions



1:Menu

2:Flip up / turn left

3:Enter/ camera switch

4: Screen flip

5:Scroll down / turn right

6: Photo / video

7: Camera LED

8:ON/OFF

9:Big LED light

## **(2)Description of parts:**

1:Menu key

--Enter the directory option

2:Flip up key / turn left key

--In the photo or video mode, long press is to turn left and short press is to **zoom in** .after entering the menu ,it is up button

3:Confirm key

--Confirm button when selecting the catalog

(Short press to switch camera screen)

4:Screen rotation key

--180° flip exit key when viewing album

5:Scroll down / turn right key

--In the photo or video mode, long press is to turn right and short press is to **zoom out** .after entering the menu ,

It is down button

6:Mode switching key

--Short press to take pictures long press to record

7: Camera LED key

--Press it to adjust 3 levels brightness of the camera.

8: ON/OFF key


9: Auxiliary light switch

--In live view .press it to turn ON Big LED light. press again to turn OFF the Big LED light

## How to rotate the camera 360 degrees

1: Long press the No. 2 up button  to control the camera to turn left

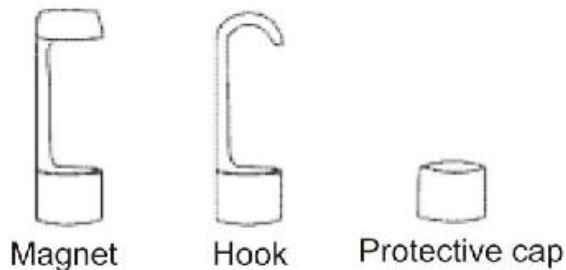
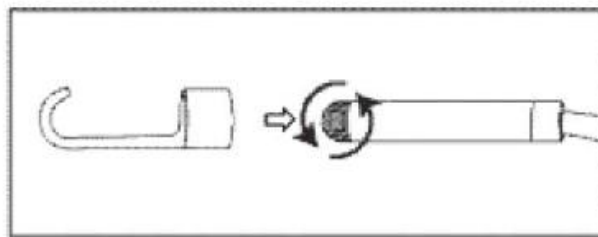


2: Long press the No. 5 down button  to control the camera to turn right



### ACCESSORIES INSTALLATION:

The installation of accessories is shown in the following figure



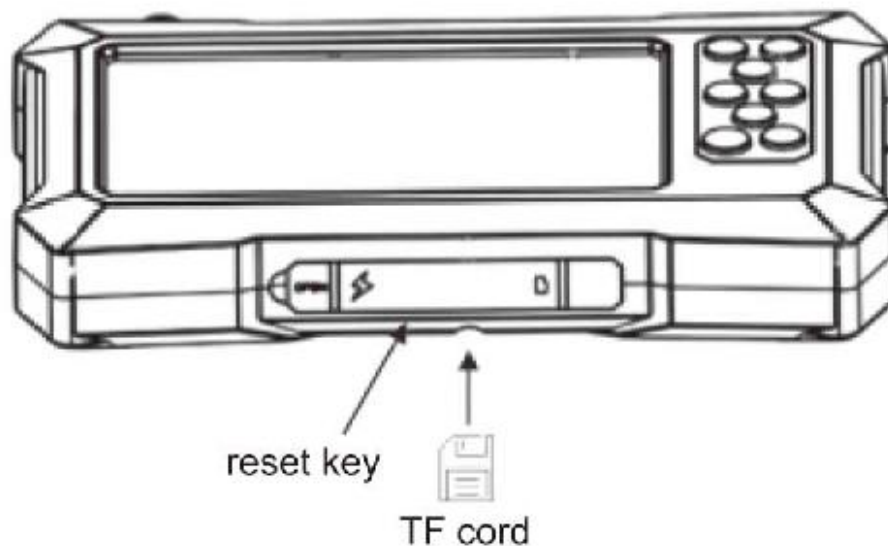
## STEPS FOR USAGE:

(1)Basic operation

1:Insert the Micro TF card (not equipped with the regular model) into the Micro TF

Card slot ,press gently until the TF card is locked (Note: you must insert a class 10 or

Above Micro TF card to record and store pictures and videos)



**If there is a crash or black screen,**

**please press the reset button**



## **CHARGING:**

When the power is low or the power is turned off automatically ,

YOU need to use the power adapter to charge the device .the

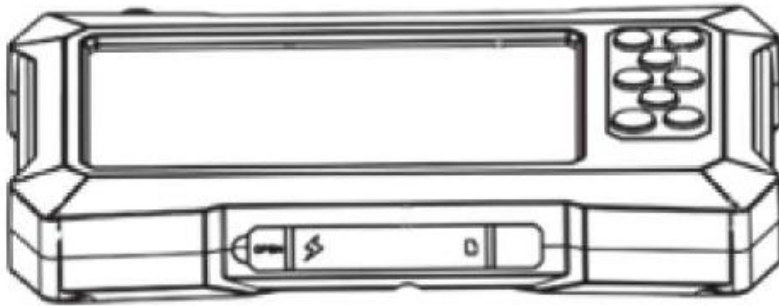
Adapter needs to use the specified 5V/1A

When the battery is charging the charging indicator of the device

Will be red .after the battery is fully charged ,the red indicator light

Will go out. The entire charging process is about 3.5 hours ,and it

Can be used for 3.5-4 hours when fully charged



## TECHNICAL PARAMETERS:

Model	B317-D
Monitor	4.3-inch color LCD display
Resolution	1920*1080P
Horizontal viewing angle	90°
Language	Simplified Chinese, Traditional Chinese, English, German, Spanish, French, Italian, Russian, Japanese, etc.
Line length	1M / 3M / 5M
Focal length	3CM-10CM
Waterproof level	IP67(only for lens bulb)
Lens diameter	8.5mm
Battery capacity	3000mAh
Battery life	About 4 hours

## TROUBLESHOOTING:

Problem	Solution
The device can not be turned on	<ol style="list-style-type: none"><li>1. Use after fully charging the battery</li><li>2. Confirm whether the power supply has been successfully connected</li></ol>
TF card reading failed	<ol style="list-style-type: none"><li>1. Confirm whether the TF card meets the requirements(the highest supported format is 64GB Micro TF card in FAT 32 and the transmission speed must be class 10 or higher)</li><li>2. Remove the TF card and reinsert it</li></ol>
After the device is connected to PC can't TF card	<ol style="list-style-type: none"><li>1. Reconnect the device and the PC.</li><li>2. Confirm whether to enter mass storage mode</li></ol>
Smudges or smudges on the screen	<ol style="list-style-type: none"><li>1. Clean the screen carefully with a soft cloth</li></ol>

## **FCC INFORMATION:**

This device complies with part 15 of the FCC rules.

Subject to the following two conditions:

- (1) This device does not cause harmful interference
- (2) This device must accept any interference received, including Interference that may cause undesired operation .changes or modifications not expressly approved by the party responsible for

Compliance may void the user's authority to operate the equipment.

## **EU environmental protection:**

Waste electrical products should not be disposed of with household waste.

Please consult your local government or retailer for recycling advice.

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\*There are any slight changes in the numbers contained  
In the user manual without notice