

# THINKCAR

LEADING TECH IN DIAGNOSTICS



## Endoscope ES401

Quick Start Manual

The ES401 of Steering Endoscopes is an important product for the global car aftermarket. It is specially used to detect narrow bending spaces that are difficult to enter, such as car evaporator, combustion chambers, and three-way catalytic sensors. The product has a unique temperature protection function and is equipped with a two-way 180° steering detection function, which allows users to take small probes into a small space, and transmit vivid, clear and all-round video and pictures to the 5 inch Screen. Meet your diverse inspection needs with advanced extended accessories and real-time temperature display.

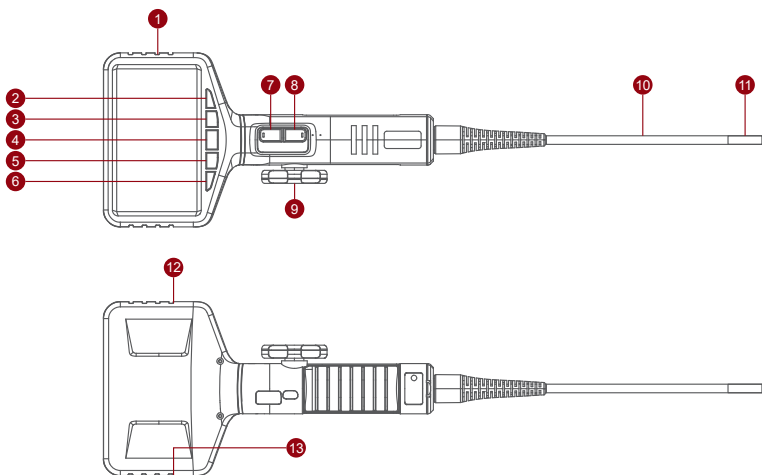


**Warning:** This product is an industrial endoscope inspection camera, which is not suitable for medical purposes or human body inspection. The temperature of the probe should not exceed 176°F/80°C.

## Troubleshooting

Fault phenomenon	Cause analysis	Resolvent
No power on	Battery feed	Charging the endoscope
Automatic shutdown	The battery is low, and automatic shutdown is set	Charge the endoscope and turn it off automatically
TF card prompt error	TF is not installed properly	Reinstall TF card
No charge	Dirty charging interface or poor wire	Replace the charging cable
Image blur	Dirty lens	Take a cleaning cloth to clean the lens
TF card record failed	Insufficient TF card capacity	Replace TF card, or clean up files

## Troubleshooting



- |                           |                       |
|---------------------------|-----------------------|
| ① Display Screen          | ⑧ Camera/Video Button |
| ② Confirm Button          | ⑨ Steering Wheel      |
| ③ Down/Switch             | ⑩ Elastic Snake Tube  |
| ④ Set Button              | ⑪ HD Camera           |
| ⑤ Up Button               | ⑫ TF Card             |
| ⑥ Menu Button             | ⑬ Charging Port       |
| ⑦ Power On/Dimming Button |                       |

## Operation Guide

1. Switch on/off: long press the switch on button for two seconds, and the blue indicator on the display screen is on, indicating that the device is successfully switched on. Long press the switch on button for two seconds to turn off the device.
2. Light adjustment
3. Take photos and videos: After starting up, press the record button briefly to take photos, and long press for 2 seconds to record videos.
4. Image playback: After starting up, press the M key briefly to play back the image. Select the key up and down to find the desired picture or video, and press the OK key briefly to play back the video.
5. Time/date: after starting the device, press the setting key twice to switch to the setting interface, scroll down to select the date/time, and adjust it to the required time by pressing the up and down selection keys (confirm the required time by pressing the OK key)
6. Date tag: The date tag is opened by default, and the date and time will be automatically displayed in the lower right corner of the photos and videos you have taken.

7. Recording and sound: the device has its own tongue sound and speaker, which will automatically record when you record video, and will have audio when you play back the recorded video.
8. Charging: Please use 5V adapter or mobile power to connect Type-C USB cable for charging. The charging voltage and current are 5V/1A. If the voltage is too high, the device may be burnt out. Please note that this device does not support fast charging.

Technical parameter	
Camera Diameter	6.0mm±(0.45)
Resolution	200M
DOF	20-100mm
FOV	70°
Manual Dimming	Support three-speed adjustment
Power Supply	5V
Use Time	180 minutes
Battery Capacity	3000mAh
Camera Light Source	6 LED
Waterproof Grade	IP67(Snake Tube)
Snake Tube Material	Wear resistant metal hose
Snake Tube Length	1 m
High Temperature Protection	High temperature intelligent protection
Turn to	Two directions
Steering Angle	Up to 210°
Bending Radius	35mm

## Application Environment

For professional service personnel, this products can be used in the case of nondisassemble or damage the instrument, used to detect the blind zone. Can be applied to instrument testing, engine maintenance, vehicle repair, pipe inspection, building inspection and air conditioning evaporator inspection and so on.

Operating environment	Snake tube	In the air: -10°C to 80°C
	Device	In the air: -10°C to 50°C
Input voltage		DC 5V
Humidity		10% to 90%
Protection class		Do not operate in the rain
		Do not operate in liquids

## Precautions

### Important safety matters

- Please don't use our camera with other manufacturers monitor, even same interface.
- Don't use the product in certain areas where it may be exposed to a wire or charged area. The exposed metal parts can be electrically conductive and may cause unexpected accidents.
- Don't allow children to operate the product separately, prohibit the use of the product for medical or human testing.
- Keep the product clean, avoid exposure, or be in direct contact with water, oil and corrosive liquids.
- It is whole device is not waterproof.
- Confirm that the dial is returned to the neutral position to pull out the snake tube, forbid to rotate the dial roughly.
- Forbid to twist and pull the curved body at the front of the snake tube.
- Please take it lightly, don't overturn the tube, the Bending limit is one circle.
- Please use the original USB cable charge.

## Warranty regulations

Thank you for choosing this product, this product is a well-designed, durable video industrial Borescope. Under normal use and maintenance should be able to play its superior performance. Within six months from the purchase date, if there is any damage caused by the manufacturing process or components, we will provide free maintenance service for the licensee and replace the parts as appropriate.

Within six months from the purchase date, you will receive a free warranty service if our professional maintenance personnel have confirmed that damages caused by the manufacturing process or the bad parts.

Snake tube is a vulnerable part, since the purchase date, the warranty for six months. Normal use caused by wear, not including part of the warranty. The following conditions will not be available free of charge.

Below situation is unavailable in free serve:

- Damage caused by improper storage.
- The customer is disassembling and causing damage.
- Damage caused by the customer's own modification.
- Damage caused by improper use.
- Damage caused by other irresistible factors.

## Warranty Card

Customer Name:		Phone:	
Purchase date:		Return date:	
Poor description:			
Repair description:			
Repair result:			
Customer address:			

Contact number: (909) 321-5665 (Service hours: 8:00AM - 5:00PM PST)

Email: [support@thinkcarus.com](mailto:support@thinkcarus.com)

Address: 720 S.Rochester Ave. Unit B, Ontario CA 91761

Website: [www.thinkcarus.com](http://www.thinkcarus.com)