



Portable Video Borescope



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User Manual

Model:RA350M



The new RA350M is a rugged, waterproof Video borescope featuring user-friendly, ambidextrous handset controls that help you easily maneuver the narrow camera probe into extremely tight spaces to uncover hidden problems. View clear video and images on the durable 3.5 inch color LCD display that is easy to see, even in bright outdoor areas. All cameras are equipped with adjustable LED lights to illuminate dark inspection targets, meeting various inspection requirements.

Applications:

This borscope is flexible for various industries & applications

- Industrial Maintenance
- Power Generation Plants
- Petrochemical & Refineries
- Government & Security
- Aircraft & Marine Inspections
- Vehicle Diagnostics
- HVAC Troubleshooting
- Building Inspections

Specifications

Monitor

Screen Size:	3.5" TFT LCD Monitor
Video resolution:	AVI (640x480)
Photo resolution:	JPEG (640x480)
Frame Rotation:	180° Rotation & Mirror image
freeze frame:	YES
Zoom:	4x Variable Digital Zoom
Menu language:	Traditional Chinese, Simplified Chinese, English, French, German Spanish, Japanese, Russian
Interface:	Micro USB 2.0/ TV out/ card slot
TV out:	PAL
Recording media:	Micro SD Card
Power source:	18650 Li-Ion Battery (2600mAh)
Battery Life (typical):	4hours

Camera

Diameter:	8.5mm or 5.5mm
Shaft diameter:	5.4mm
Resolution:	720x576
Viewing angle:	60°
Depth of field:	30-60mm
Light source:	6leds

Contents:

- Digital Endoscope
- Plastic Stand
- Protection Cover
- User's Manual
- Probe (ϕ 8.5mm or ϕ 5.5mm)
- USB cable
- TV-OUT cable
- 4G TF-Card
- Gift Box

EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advices



Appearance Introduction



Operation Function

1. Inserting Micro SD card

Uncover the dust cover at right side and insert the Micro SD card,
Please choose branded C4 above Micro SD card and format the card before using.

2. Switch borescope on/off

Press power button for 2 seconds to turn it on/off

3. How to take photo and record videos

Taking photo: Press photo button to take photo, photos will be saved in DICM files of Micro SD card.

Video recording: Press video button to take and finish video recording, videos will be saved in DICM files of Micro SD card.

4. Assistant Functional buttons

LED button: Press LED button to adjust camera lighting manually. (off/ Level 1/ Level2/ Level3)

Zoom Button: Press zoom button to zoom. (X2/ X3/ X4)

Flashlight button: Press flashlight to assist the inspection environment. (off/ Level 1/ Level2/ Level3);

5. Setting

Please press setting button to set Language / Time and Date/ Auto power off/format card

6. File Management

Press playback button, then press setting button to enter file management page to lock/delete the file.

7. Charger

Use power adapter charging or USB cable connecting to computer or power bank.

Charging indicator always red while charging. when battery is full, the indicator will turn dark.



WARNING!

Please read all safety warnings and all instructions before using this product. Failure to follow the warning and instructions may result in electric shock, fire and serious injury.

Safety:

- Keep the tool dry, clean, free from oil, water, gas or other materials causing corrosion.
- Keep work area clean and well lit.
- This appliance is not intended for use by persons with limited physical, sensory or mental capabilities.
- This appliance is not intended for medical use or personal inspection
- Keep bystanders, children away while operating the tool
- Do not overreach, keep proper footing and balance at all times.

Maintenance:

Always keep the camera lens clean.

Remove batteries before cleaning.

Should any other components not mentioned need to be replaced, please contact our service agents.

Battery Warning:

1. standard input voltage must be 5V/1A.
2. Defective or used batteries must be recycled according to the guideline 2006/66/EEC.

Operating temperature	Probe	In air: -10 to 50°C
		In water: 5 to 50°C
	Console	In air: -10 to 50°C
Relative humidity	All parts	15 to 90%
Liquid resistance	All parts	Operable when exposed to machine oil, light oil or 5% saline solution.
Ingress Protection	Probe	To water, oil & dust per IP67 standard
	Console	Operable in blowing rain conditions (Battery compartment must be closed)
		Not operable underwater.

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