

# User Manual

## Digital Inspection System

Model:



### Features:

- View live inspection video instantly on the 3.5 in.(88.9mm) QVGA color LCD screen
- Up to 3 Mega Pixels resolution for image capture, 720P high definition for recording videos
- 4x zoom and 360° image flip monitor
- 8.2mm diameter camera with high sensitivity for low-light VGA camera chip in the tip
- Wired Color Monitor can be detached from the unit for remote viewing . Can be operated up to 1.5m away with a cable.
- 1W Cree flash assisting dark area work
- Adjustable handle and screen



Product Overview

Applications

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Specifications

## TECHNICAL SPECIFICATIONS

### Monitor:

Screen Type: 3.5 in. (88.9mm) Color LCD  
Resolution: 320\*240 pixels (QVGA)  
Rotation: 360° rotation  
Video Recording Resolution: 320\*240, 640\*480, 1280\*720 (Pixels)  
Image Capturing Resolution: 640\*480, 1600\*1200, 2048\*1536 (Pixels)  
Menu languages:  
English, Germany, Chinese, Spanish, French, Russian, Japanese  
Port: Remote connect port; AV-out, USB, TF card slot

### Camera:

Diameter: 8.2mm (5.5mm optional)  
Shaft Diameter: 7.6mm (5mm for 5.5mm model)  
Shaft Length: 100cm (200cm, 300cm, 500cm optional)  
Resolution: 300K pixels VGA  
Viewing angle: 60°  
Depth of Field: 60mm—80mm  
Light Source: 6 adjustable high-intensity LEDs  
(4 LEDs for 5.5mm model)

### Other:

LED Flash light: 1W CREE LED  
Operating Temperature: 32° to 113° F (0° to 45° C)  
Power Source: 4\*AA battery  
Max battery life: 4—5 hours  
Weight: 445g  
Certifications: CE FCC RoHS

### Contents:

Digital Endoscope  
User's Manual  
Probe  
Accessories – pick up hook and magnet  
Remote connect cable  
Video-out cable  
Custom Hard Case

### Packaging Information

H: 361mm  
W: 400mm  
D: 130mm

### 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.



## Product Overview:

This new Digital Video Recording Endoscope is a portable, hand-held, multifunctional inspection system featuring a 3.5" full color LCD screen with powerful recording capability. Users can capture images (JPG) or videos (AVI) on the TF card with up to 3 megapixels resolution for the images, 720P high definition for the videos (Through High Quality Linear Interpolation). The Wired Color Monitor can be detached from the unit for remote viewing and operating up to 1.5m away using a cable. With ergonomic and robust design, users can control all the keys with one hand easily, and the adjustable handle offers extra comfort. In addition, the stainless steel shield and overall reinforced structures ensures stability under heavy duty.

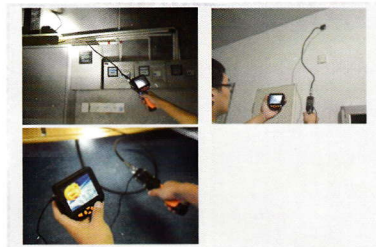
The device has a slim 8.2mm diameter probe with 6 adjustable LED lights, high performance camera module offering crystal clear output. Furthermore, it has an integrated 1W CREE flash light for dark area working assistance.



## Applications:

This premier tool is an economical solution for:

- Automotive / Diesel Repair and Maintenance
- Inspection of hard-to-reach or hard-to-see area or equipment
- Plumbing, construction, restoration applications
- Science Education
- Outdoor Exploration



**WARNING!** Please read all safety warnings and all instructions before using this product.

Failure to follow the warnings 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.

## Batteries:

- Use only Alkaline or Ni-MH AA batteries.
- Replace batteries when the LED indicator turns red.
- Remove the batteries when the product is not in use.

## Maintenance:

- Always keep the camera lens clean.
- Should any other components not mentioned need to be replaced, please contact our service agents.

## Instructions for use



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## Menu Tree

Click to enter the menu to change settings. Default setting:

### Photo



#### Resolution

- 3M(2048×1536)
- 2M(1600×1200)
- VGA(640×480)

#### Effect

- Normal
- Black&White

#### Date Stamp

- On
- Off

### Video



#### MovieSize

- 1280×720
- 640×480
- 320×240

#### Effect

- Normal
- Black&White

#### Date Stamp

- On
- Off

### Playback



#### Lock

- One/All
- Unlock

#### Delete

- Single File
- All File

#### Thumbnail

- Display 4
- Display 9

## General Settings



Click and then **MODE** button to enter General Settings.

### Time&Date

- YY/MM/DD
- Hour/Minute
- Display Style

### Languages

- English
- Germany
- Chinese
- Spanish
- French
- Russian
- Japanese

### TV OUT

- NTSC
- PAL

### Sound

- Shutter
- Power on

### Power Frequency

- 50hz
- 60hz

### Power Save

- 3 minutes
- 5 minutes
- 10 minutes
- Off

### Format Card

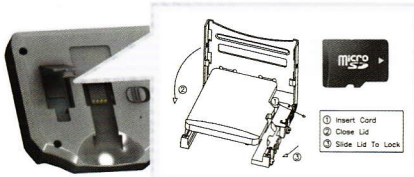
- Yes
- No

### Reset settings

- Yes
- No

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Insert card : Power off the device, open the cover on the backside of the monitor and insert the TF card according to this chart.

⚠ Please make sure the device is powered off before operating the TF card.

⚠ Please operate gently.



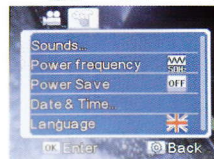
Click **OK** in Photo/Video mode to snap photos or record movie clips.



Click **"MODE"** button to switch the mode Photo Video Playback



Click **Settings** to enter Photo settings in Photo Mode or Video settings in Video Mode, click **"MODE"** button to enter General Settings. Click **"UP"** **"DOWN"** button to select and **"OK"** button to save changes.



### Wired Remote Link Mode

