Sewer Pipeline Drain Inspection Camera
User Manual

Pipe Pulley   Protective Shell   Data Cable   Hexagonal Wrench   Screwdriver

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Please contact us at the first time if you got any issue with the product

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Attentions

1. Please read the manual carefully before using it.

2. Handle it carefully during operation, avoid throwing down or pressing it heavily.

3. If the users disassemble or deliberately damage the machine, it will beyond the warranty.

4. Please keep distance when charging

5. Turn off the device and unplug all the cables after using .

6. If your device is not accordance with some content on the manual, it may because device is upgraded, please refer to the device itself.

Product Highlights

1. 9 inch color TFT LCD Screen.

2. High resolution camera lens, up to 1080P clear picture.

3. With 12 adjustable LED beads on the camera lens to brighten the dark environment.

4. High tenacity fiberglass cable, waterproof and anti corrosion / cold / tensile.

5. With length scale on the cable

6. Rechargeable 6000mah lithium battery.

7. Range of Application: Water-supply pipe blocking/leakage inspection; Air-conditioner pipe,Pipeline vacuum system, plumbing pipe inspection; Buildings, Road sunken, Municipal engineering inspection
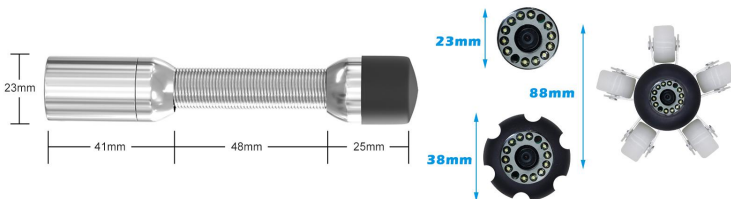
Product Specification

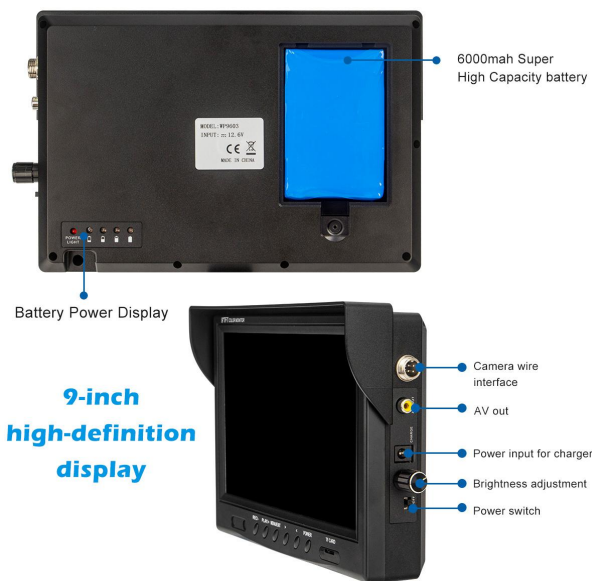| Item	Parameter
Charger:	AC100-240V DC12.6V
Battery:	Lithium battery 12V
Continuous use time for battery:	Approximate 6h
Investigation depth:	20M/30M/50M optional
Cable Material:	High tenacity fiberglass
Camera light source:	high while light
Camera material:	Stainless steel
Menu languages	Multi-language
Camera picture:	Color
Monitor Screen Type：	9" Color TFT LCD
Monitor Resolution:	1080 x 720 pixels

Details Information of the Parts

1. Camera

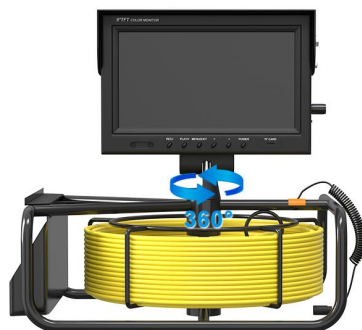①metal contact chip　②spring　③highlight white LED　④camera lens

Item:	Parameter
Camera diameter:	23MM
With the tube protective shell:	>25MM
Camera light source:	12 LED with high while light(adjustable)
Camera working voltage:	5V
Lights working voltage:	12V
Waterproof leverl:	IP68
Camera material:	stainless steel
Camera protective cover size :	29MM * 40MM
Camera pulley size:	40MM * 90MM

2.Monitor

6000mah Super
High Capacity battery

MODEL: MP9603
INPUT: ≈ 12.6V
MADE IN CHINA

Battery Power Display

**9-inch
high-definition
display**

Camera wire
interface

AV out

Power input for charger

Brightness adjustment

Power switch

SCREEN SUPPORTS VERTICAL 180°AND HORIZONTAL 360°ROTATION

180°

360°

3.Charger

AC: 100-240V
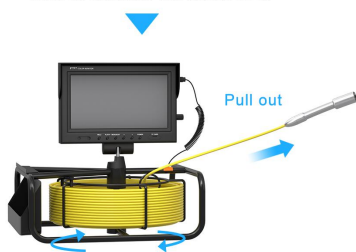OUTPUT: 12.6V-1000MA

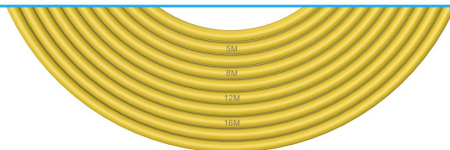The green indicator means
finishing charging

UK plug   EU plug   US plug

4. Coil

How to Release the Cable Line   How to Coiled Cable

Pull out   Inward

Length mark on the line

Unlock up   **Lock down**
The coil can be turned   Coil restricts rotation

System Installation

1. Important tips: please make sure the device was turned off before connecting the camera and the monitor

2. Connect camera - coil -monitor .

3. Turn on the power switch in the side of the screen, the indicator light on the monitor bright up means device is turned on.

4. Install the protective shell slightly according to your need and put it into the pipe, rotate coil to release the cable, push camera lens moving in the pipe

5. Adjust LED light brightness according to your need.

6. After use, pull the cable back carefully and rotate the coil to reel the cable, turn off the power switch, take out the camera lens, use a clean, soft and dry cloth to clear it up and put it back to the aluminum case.

Functions of Buttons on the Screen

1. REC/-: press to start recording videos/ capturing pictures, or press it to confirm

2. PLAY/+: switch video recording and picture capturing function, or back to home page

3. MENU/EXIT: Press it to select what kind of setting you want to set, or exit

4. " > " and " < " : press it to choose sub-options; zoom +/- when video recording

5. Power: turn on/off the screen

6. TF Card slot: press to pop out the memory card (max support 32GB memory card)

How to record a video?

Press "PLAY/+" until the left upper corner shows the video recording icon , press REC/- to start and stop recording.

Or press "Menu" find out the "record", press "REC/-" to start video recording (**audio recording is turned on by default when the device is in video recording mode**. here is the steps to turn of audio record: press "Menu" repeatedly until you find "Video Playback", press "<" button skip to the "Record Audio", press "REC/-" to go on, press ">" to choose "off" and press "REC/-" to confirm.)

How to take photos?

Press "PLAY/+" until the left upper corner shows the take photo icon , press REC/- to take photo.

Or press "Menu" find out the "snapshot", press "REC/-" to take photo

Product Components and accessories

| Camera | TFT LCD Screen | detection cable | Coil | 16GB memory card |

| protector | Charger | Screwdriver | Pulley | Hexagonal Wrench |

Charging

When the battery power is low, it needs charging, and the method is as below:

1. take out the charger cable, plug into the charger port , another end plug into an AC100V-240V AC socket

2. The indicator on the charger is a red light means on charging, it turns green light when fully charged. The charging time is usually 4-5 hours.

Note:

1. Charging the device as soon as possible when it is going to out of power, because the battery may be damaged easily for overuse.

2. Do not use the device when charging, and don't overcharged

-----Contact Us-----

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We support spare parts replacing, please contact us at the first time when you got issues with our product.