

# Pipe Inspection System



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**Instruction Manual**

## **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 from the system when charging.
- 5.After being used, turn off the display and pull out all the connection joints.
- 6.If this manual content does not accord with your machine due to the version upgrades, please refer to us.

## **Description**

- 1.Color TFT LCD Screen.
- 2.High resolution camera with clear picture.
- 3.Night vision.
- 4.High quality special cable; waterproof and anti-corrosion/cold/tensile.
- 5.Lithium battery.
6. The lights can be on/off. The night lights are adjustable.
- 7.Range of Application: Water-supply pipe, Air-conditioner pipe, Cable pipe, Pipeline vacuum system, PLUNBIN pipe, Buildings, Sunken pipe.

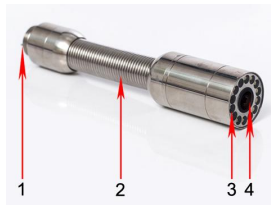
## Product Specification

Item:	parameter
Charger:	AC100-240V
Battery:	Lithium battery
Investigation depth:	10M( selectable line length)
Material:	Fiber tube with high intensity
Camera light source:	With high while light
Camera material:	Stainless steel
Menu languages	Multi-language
Camera picture:	Color

## Instruction for Product

### 1 Camera (A)

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

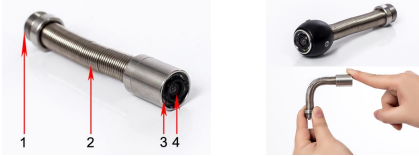


### Product Specification

Item:	parameter
Camera diameter:	23MM
With the tube diameter:	>25MM
Camera light source:	12 LED with high while light(adjustable)
Camera working voltage:	5V
Lights working voltage:	12V
Water proof:	IP68
Camera material:	stainless steel
Camera size:	23MM
Camera protective cover parts material:	plastic-steel
Camera protective cover parts size 1:	29MM* 40MM

## Camera (B)

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

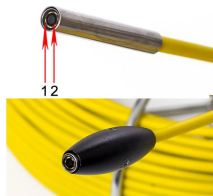


### Product Specification

Item:	parameter
Camera diameter:	17MM
With the tube diameter:	>18MM
Camera light source:	6 LED with high while light(adjustable)
Camera working voltage:	5V
Lights working voltage:	12V
Water proof:	IP68
Camera material:	stainless steel
Camera size:	100MM* 17MM
Camera protective cover parts material:	metal
Camera protective cover parts size:	20MM* 25MM

## Camera(C)

1、 highlight white LED      2、 camera lens



### Product Specification

Item:	parameter
Camera diameter:	6.5MM
With the tube diameter:	7-30MM
Camera visual distance:	10-80MM (approximate)
Camera light source:	6 LED with high while light(adjustable)
Camera working voltage:	3.3V
Lights working voltage:	3.3V
Water proof:	no
Camera material:	stainless steel
Camera size:	45MM* 6.5MM
Camera protective cover parts material:	metal
Camera protective cover parts size:	45MM* 15MM

## 2. Monitor (Common Type)



## Monitor (Recording Type)

### HD 4.3inch LCD display with DVR Recording Function



### 3 Coil



### 4. Install the monitor

## INSTALLING THE MONITOR



## System Installation

1. Vital: turn off the power switch and connect the video camera and the monitor.
2. Connect camera to coil with monitor .
3. Turn on the power switch in the power box, and the switchboard starts.
4. Install the video camera with the protective cover slightly and put it into the pipe, and then rotate coil to proper depth.
5. Adjust LED light degree adjuster to proper light degree.
6. After utilization, moving the camera from the pipe carefully, and take clean, soft and dry cloth to clear up it and put it back.

## PRODUCT CONNECTION



## Product components and accessories



Camera



TFT LCD Screen



detection cable



Coil



protector



Charger



Bracket



Screwdriver

## Charging

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

- 1、 Take out the battery and charger from the box.
- 2、 Connect the charger to the battery.
- 3、 Connect the charger to the alternating current of 100-240v. The red indicator means charging.
- 4、 The green indicator means finishing charging.

Notes: to make sure the battery using age longer, please recharge it timely; otherwise, it will be unable to be recharged.



5V power adapter or 5V power bank to charge

\*With a dedicated charger,  
please charge the machine with it



\*The power bank are not included.  
We only provide the power cable.