

SPRIDRAIN®

INSTRUCTION MANUAL

Pipe Inspection System



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 be 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. Due to the version upgrades, if mentioned in this manual content does not accord with your machine, please refer to our machine.

Description

1. 10.1" Color TFT LCD Screen.
2. High resolution camera, clear picture
3. Video taking and photo function
4. Support keyboard input
5. With meter counting function, the depth of the camera into the pipe can be shown on the display
6. One-button start
7. Super bright white LEDs adjustable
8. Waterproof durable suitcase
9. High quality special cable, waterproof and anti-corrosion/ cold/ tensile.
10. 12V 4500MA lithium battery
11. The lights can on/off. night lights adjustable.
12. Range of Application: Water-supply pipe, Air-conditioner pipe, Cable pipe, Pipeline vacuum system, PLUNBIN pipe, Buildings, Sunken pipe

Options

1. Cable diameter: 5MM / 7MM
2. Camera: 512HZ Self-Leveling

Product Specification

| Item | Parameter |
|---------------------------------|---------------------------------|
| Charger | AC100-240V DC12.6V |
| Battery | Lithium battery 12V |
| Continuous use time for battery | Approximate 6h |
| Investigation depth | 20M(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 |

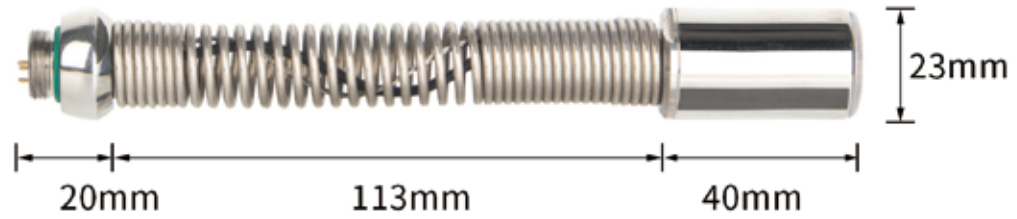
Instruction For Product



Plastic box disassembly method



Camera



23mm



38mm

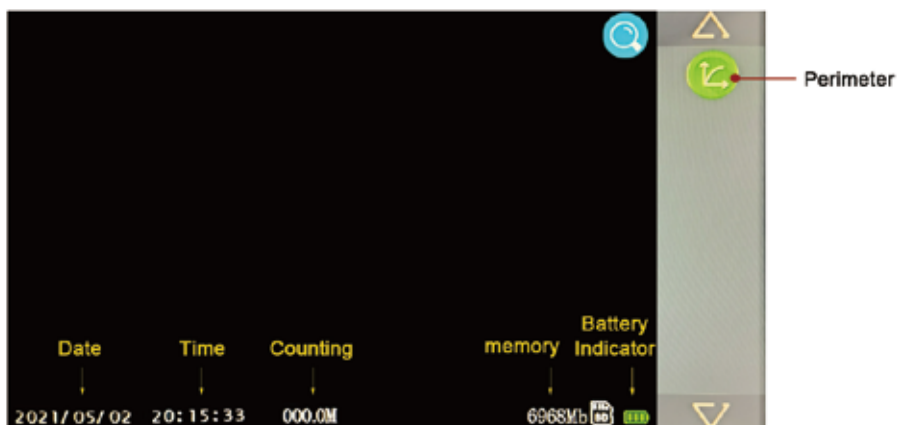
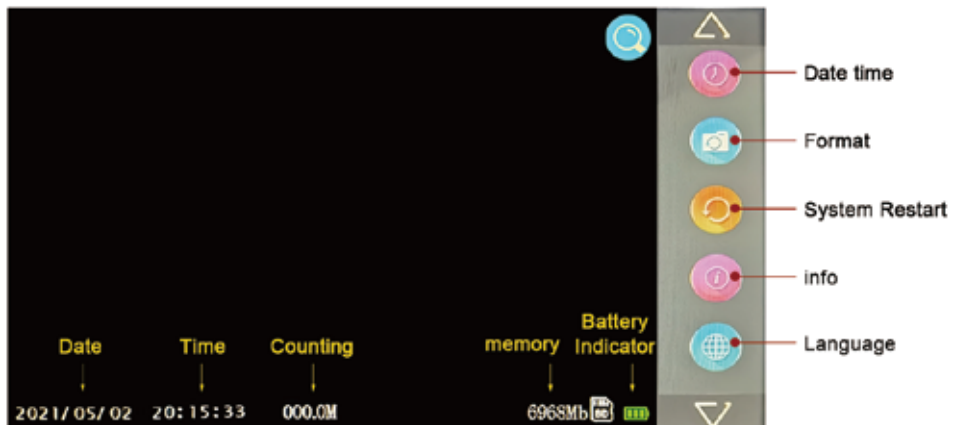
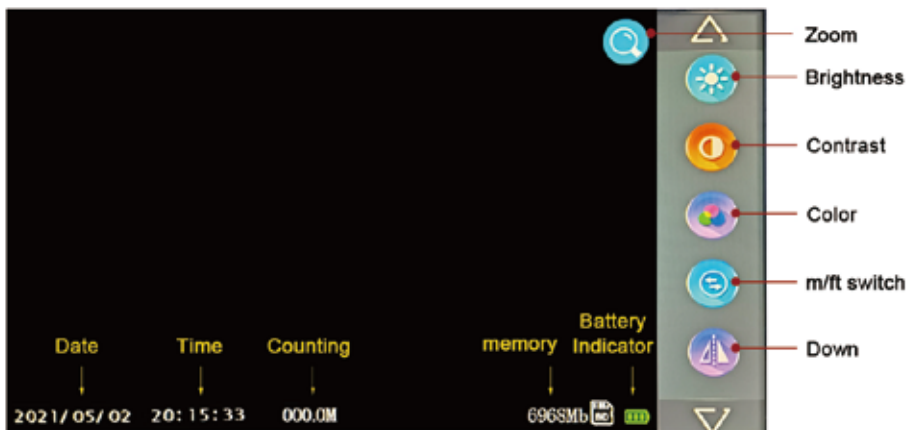
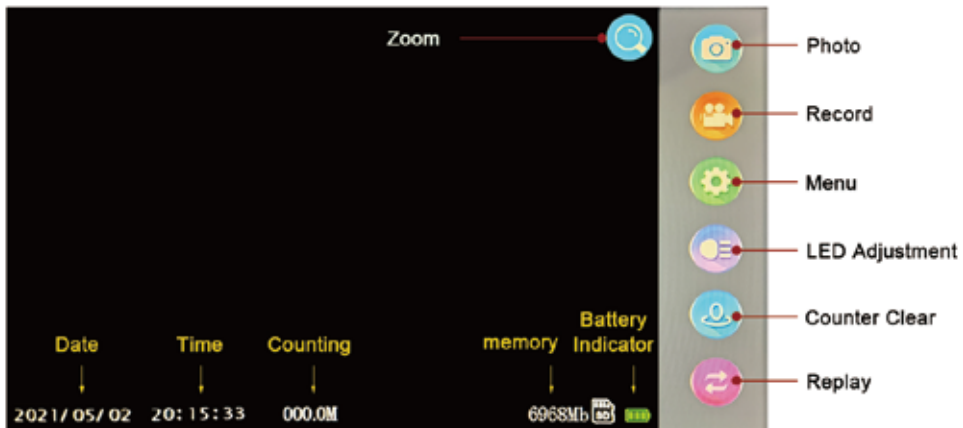


90mm

Product Specification

| Item | Parameter |
|--|--|
| SKU | 9614F-S-512T/R |
| Camera diameter | 23MM |
| With the tube diameter | >25MM |
| Camera light source | 12 LED with high white 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 protective cover parts size 2 | 40MM* 90MM |

Monitor



Coil



Product Accessories



Coil

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

1. Take out the 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 make it can not recharged.

Charger: AC: 100-240V

OUTPUT: 12.6V-1000MA

The green indicator means finishing charging.



0.1KG

System Installation

1. Turn on the power switch in the power box, the indicator light on the monitor is on, the switchboard starts.
2. Install the video camera with the protective cover slightly and put it into the pipe, rotate coil to proper depth.
3. Adjust LED light degree adjuster to proper light degree.
4. After utilization, move the camera from the pipe carefully, take clean, soft and dry cloth to clear up it and put it back.



Product Components And Accessories



CAMERA



TFT LCD SCREEN



DETECTION CABLE



COIL



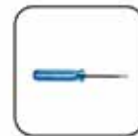
PROTECTOR 1



PROTECTOR 2



CHARGER



SCREWDRIVER

Pipe Failure Analysis

1. Check whether the camera is loose, and tighten the camera.
2. Check whether the camera video cable is in full contact with the battery box.
3. Check whether the video cable of the display screen and the power cable are in complete contact.
4. During use, pay attention to charging in time when the battery power light shows the
5. Last grid of power to prevent the battery from being lost and unable to be charged.
6. The cable should not be knotted when used, and the cable should not be bent less than 90°.
7. Do not drop the product violently to prevent the cable from being broken!
8. Please turn off the power before removing and inserting the memory card

| Failure analysis | Fault reasons and precautions |
|-----------------------------|--|
| Blue screen | <ol style="list-style-type: none"> 1. Check if camera connector is loose, and if camera is loose, caused poor contact. 2. Check if cable and power supply connected loose. 3. Check if monitor is connected with power supply normally. 4. Check if cable is broken. 5. Check if there is water leak to the front of the camera or if camera is damaged. 6. When using the camera, put on the protective cover first, protect camera not to collide with hard objects and damage, cause unable to display images |
| LED light not on | <ol style="list-style-type: none"> 1. Read the manual to get the correct way to turn on the light. 2. Check if there is water in the camera, the water will damage the camera LED. |
| No Power | <ol style="list-style-type: none"> 1. Check if battery is fully charged. 2. Check if display screen is damaged. 3. check the power box and screen connecting, to be sure it is right. |
| Cannot format | <ol style="list-style-type: none"> 1. The memory card is damaged. Replace the memory card. |
| Unable to charge | <ol style="list-style-type: none"> 1. Check if charging port is with foreign matters or deformation. 2. Check whether the charger is damaged. 3. If the power is too low, it should be charged in time to prevent the battery loss and unable to charge |
| Photo/video cannot be saved | <ol style="list-style-type: none"> 1. Check if memory card is damaged. Replace the memory card. 2. Check if memory card slot with foreign objects or deformation. |
| Broken cable | <ol style="list-style-type: none"> 1. It is recommended to use the cable on pipes with a diameter \geq 60mm. Pay attention to the force of pushing the cable to avoid breaking cable. 2. This product is only used for pipeline detection and inspection, and cannot be used for other purposes. |
| Cable knotting | <ol style="list-style-type: none"> 1. When retracting and releasing cables, the cables can not be crossed and knotted, and the bending arc of cables should not be less than 90 degrees 2. When retracting the cable, pay attention to the orderly retract with the rotating iron frame, and do not use it violently |
| Equipment cleaning | <ol style="list-style-type: none"> 1. When cleaning the equipment, turn off the power before cleaning to avoid damage to the equipment. |
| Note | <ol style="list-style-type: none"> 1. If the fault cannot be solved, do not disassemble it by user. Please contact our after-sales service team Via Support@spridrain.com. |



SPRIDRAIN[®]



SHENZHEN SENPAN TECHNOLOGY CO., LTD

Website: <https://syanspan.com>

E-mail: support@spridrain.com

Whatsapp/Tel: +86 18079799399

Add: b501-503 Floor, B2B Building, Yingzhan Industrial Zone, Kengzi Street, Pingshan District, Shenzhen City, Guangdong Province, China