

VEVOR

Upgrade · The Home Creator Way

Pipe Inspection System

Model: WP9602F

VEVOR Support Center



WP9602F (50m)



WP9602F (30m)

Model: WP9602F



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Warning-To reduce the risk of injury, user must read instructions manual carefully.

	CORRECT DISPOSAL This product is subject to the provision of european Directive 2012/19/EU. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.
	FCC Information: CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment! This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This product may cause harmful interference. 2) This product must accept any interference received, including interference that may cause undesired operation. WARNING: Changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product. Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures. · Reorient or relocate the receiving antenna.

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| | <ul style="list-style-type: none">· Increase the distance between the product and receiver.· Connect the product to an outlet on a circuit different from that to which the receiver is connected.· Consult the dealer or an experienced radio/TV technician for assistance. |
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SAFETY INSTRUCTIONS

WARNING:

Read this material before using this product. Failure to do so can result in serious injury.

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. Due to the version upgrades, if mentioned in this manual content does not accord with your machine, please refer to our machine.
7. If the camera is damaged or the cable is broken due to improper operation, it will not be covered by the free warranty.
8. The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.
9. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
10. Children shall not play with the appliance.

11. This appliance shall not be used by children. Keep the appliance and its cord out of reach of children.

12. This appliance is intended to be used in household and similar applications such as:

staff kitchen areas in shops, offices and other working environments;

farm houses;

by clients in hotels, motels and other residential type environments;

bed and breakfast type environments.

Battery Safety Warning

Do not disassemble, short-circuit, or expose to fire.

Do not use batteries not specified in this manual.

The built-in lithium battery is not removable.

Do not attempt to replace it.

Disposal Information:

This product contains lithium batteries and AAA batteries, which must be recycled separately.

Do not dispose of with household waste. Please contact your local recycling center or electronic retailer for proper disposal

Description

1. Color TFT LCD Screen.

2. High resolution camera,clear picture,

3. Night vision.

4. High quality special cable, waterproof and anti-corrosion/cold/tensile.

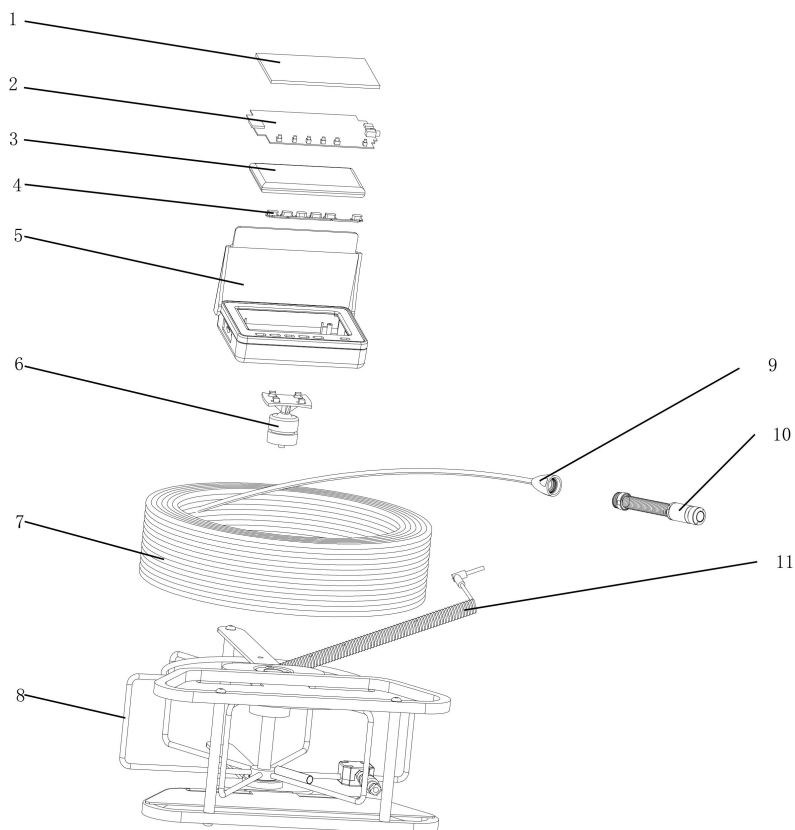
5. 5V4500MA lithium battery.

6. With sun-visor for bright environment outside

7. Range of Application: Water-supply pipe.Air-conditioner pipe.Cable pipe.

Pipeline vacuum system. PLUNBIN pipe.Buildings.Sunken pipe

Exploded view of the finished product



NO.	accessory name
1	Screen
2	Screen motherboard
3	Battery
4	Buttons
5	Display housing
6	Display stand
7	Push rod cable
8	Wire reel frame
9	Bullet head + gold-plated plate
10	Camera
11	Connect the signal to the spring wire

Product parameters

Project	parameters
Display screen:	4.3 inches
Battery:	Lithium battery4500mAh
Continuous use time for battery:	4h-5h
Investigation depth:	10m (The cable can be chosen in various lengths, with a maximum of 50 meters.)
Total screen pixels	800*480
Lens pixel	1280*720
Operating temperature:	-20-60°
Storage temperature:	-50-60°

Instruction for Product

Camera

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



23mm



38mm



90mm

Product Specification

Camera diameter:	Φ23mm
With the tube diameter:	>Φ25mm
Camera light source:	12 LED with high while light (adjustable)

Camera working voltage:	3.7V
Lights working voltage:	5V
Water proof:	IP68
Camera material:	Stainless steel
Camera size:	170mm*23mm
Camera protective cover parts material:	Plastic-steel
Camera protective cover parts size1:	29mm* 40mm
Camera protective cover parts size2:	40mm* 90mm

Monitor (Recording Type)

HD 4.3inch LCD display with DVR Recording Function



How to operate the Monitor

1. Power On Plug in the camera, then turn on the monitor

2. Menu Setting

A: Press the MENU button into the Menu setting in the photo or record state.

B: It has format / language Settings / default Settings and date Settings.

3. MODEP ho to / Record and file browsing mode can be converted each other when press MODE button.

4. OK Button

A: Press OK button to take the photo in the photo state.

B: In Record state, press OK button one time to start the recording, press OK button again to stop the recording and saving.

5. UP Button

A: Tum up LED

B: Press UP button one time to forward a picture or an video in filebrowsing mode.

C: Press UP button one time to forward in menu setting mode.

6. Down Button

A: Tum down LED

B: Press Down button one time to downward a picture or an video in filebrowsing mode.

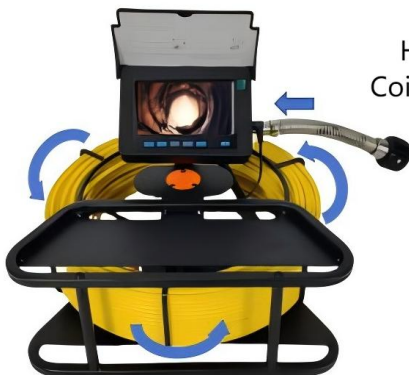
C: Press Down button one time to downward in menu setting mode.

Coil

How to Release
the Cable Line



How to
Coiled Cable



Install the monitor

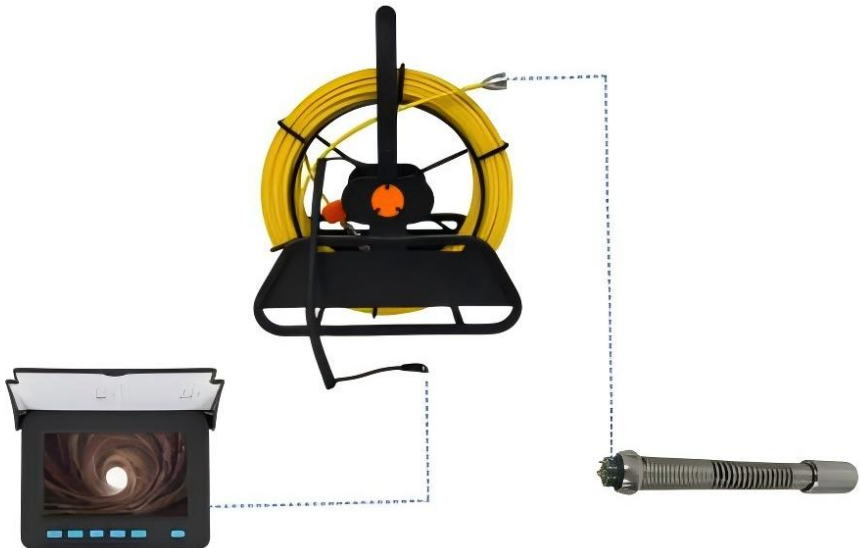
INSTALLING THE MONITOR



1. Fixing bracket
2. Fixing the monitor on the bracket

System Installation

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



Charging

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

1. Please use 100VAC-240VAC 5V2A USB_A to TYPE_C (This product does not come with a charger).
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.

5V power adapter or 5V power bank to charge



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

Product components and accessories



Camera



Protector 2



Protector 1



Screwdriver



Display screen



Charger



Instructions



Coil

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.
3. During use, pay attention to charging in time when the battery power light shows the last grid of power to prevent the battery from being lost and unable to be charged.
4. The cable should not be knotted when used, and the cable should not be bent less than 90°.
5. Do not drop the product violently to prevent the cable from being broken!

6. Please turn off the power before removing and inserting the memory card

Failure analysis	Fault reasons and precautions
Blue screen	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	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	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	The memory card is damaged. Replace the memory card.
Unable to charge	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	1. Check if memory card is damaged. Replace the memory card,. 2. Check if memory card slot with foreign objects or deformation.

Broken cable	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	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	When cleaning the equipment, turn off the power before cleaning to avoid damage to the equipment.
Note	If the fault cannot be solved, do not disassemble it by user. Please contact the after-sales service team.

