

USER MANUAL

HD Wi-Fi Endoscope



Version 1.0

Please read this user manual carefully before using this product. Failure to understand operation procedures may result in injury.

GENERAL SAFETY INFORMATION

WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS!

- ❖ Prevent object and liquid entry. Never spill liquid of any kind on the video display unit. Liquid increases the risk of electrical shock and damage to the product.
- ❖ The unit is not shock-resistant. Do not use Explorer Standard as a hammer and avoid high impact such as dropping the unit from height.
- ❖ If immersing camera in water, please install waterproof device. Avoid moisture and store product in a dry place. These measures reduce the risk of electric shock and damage. The lens and the tube are water resistant when the unit is fully assembled, but the wireless transmitter is not.
- ❖ Don't use the camera if condensation forms inside the lens. Let the water evaporate before using again.
- ❖ Turn off the system if it is not in use.
- ❖ Attention should be given to the environmental aspects of battery disposal.
- ❖ Please charge with 5V.
- ❖ Properly dispose of batteries. Exposure to high temperatures can cause batteries to explode. So do not dispose of in a fire.

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❖ Some countries have regulations concerning battery disposal. Please follow all applicable regulations.

WELCOME

Welcome to buy this product. Before use, please read the instructions carefully. This product is a utility class equipment with the function of real-time video viewing, video recording, and picture capturing etc., which is suitable for usage in narrow areas and the area which cannot be observed by sight, such as: vehicle repair, sewer inspection/maintenance, etc.

FEATURES

Real-time video viewing, video recording and picture capturing;
Mini 8mm waterproof LED lens;
Waterproofing grade IP68;
8 LED lights, brightness is adjustable and lighting lamps are added;
Portable, soft extension tube which is easy to use.

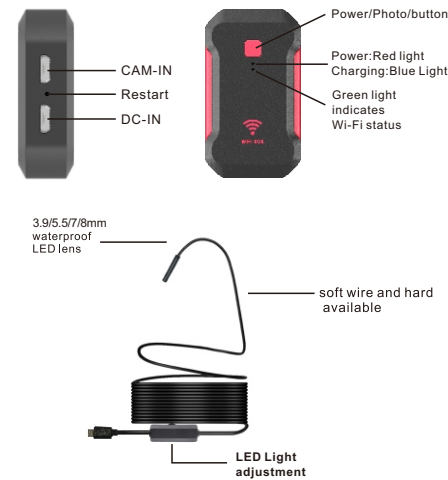
PACKING LIST

Standard configuration



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Structure Introduction



Operating Instruction

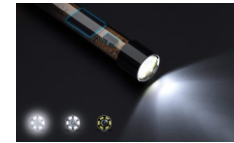
Basic operation

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1. Turn the power switch indicator on the Wi-Fi device lights up. This rotary switch is similar to a light modulator, turning it can also adjust the brightness of the LED light.



2. When it is used in a darker environment, the illuminating light can be turned on to increase the brightness.

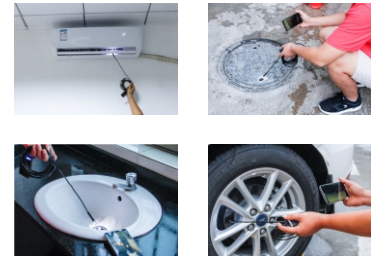


3. This flexible tube can be bent into any shape which will be convenient for entering into any zones for inspection. Three kinds of attachments (hook, mirror, and magnet) can help you find out any small objects, such as ring or small screws.

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Applicable scenarios



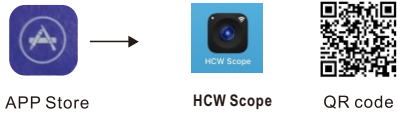
Instruction: The client-side supports Android/iOS/Windows/MAC systems.
Version requirement: support Android 6.0 and higher, supports iOS 8.0 and higher.
Factory defaults of device end: SSID: HCWScope. Click it, and it will connect automatically.

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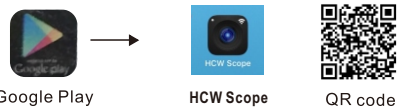
How to use it on mobile phone?

Download and install client-side APP

Open app store from iPhone/iPad client side. Search for HCWScope, click on download and install it. Or scan the QR code and download it.



Enter into Google Play Shop from Android client side. Search for HCWScope, click on download and install it. If you can use Google, scan the first QR code to and choose the second line. If you can not, please scan the QR code and choose the third line.



② Connect camera with wireless transmitter.

③ WiFi Connection

1. Click on the setting icon on the main interface of the smart mobile device;
2. Click on the "Wlan" to select your camera, connect the smart mobile device Wi-Fi to the tool Wi-Fi, tool initial SSID is: HCWScope. Click it, and it will connect automatically.

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1. After the connection is successful, click on HCWScope icon to enter into the connected camera and watch the real-time video.
2. Taking photos, video recording, viewing pictures and video playback, setting and other operations can be done on the smart client side.



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- ① **Taking photos:** Click on it to take photos and pictures will be saved automatically in the smart mobile device.
- ② **Video recording:** Click on it to start the video recording and then click on it again to stop the video recording and save it automatically.
- ③ **Folders:** Click on it to check the saved pictures or playback the video.
- ④ **Rotate button:** Rotate 90 degrees clockwise each time.
- ⑤ **Mirror button:** left and right exchange.
- ⑥ **Setting:**

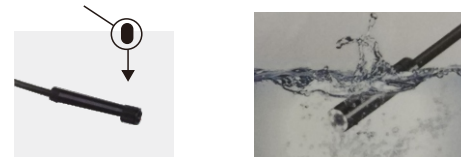
- (1) Custom modification of SSID name;
- (2) Choose resolution of 640*480 1280*720 1600*1200;
- (3) Firmware Display on Device End;
- (4) Current version number of APP;
- (5) Restore the mirror and rotation settings of APP;

Important notices:

1. Usually press 3 seconds Power Key, the device starts automatically, and the red and green lights are always on when the device starts. If no device connects Wi-Fi Transmitter within 35 seconds, the device automatically shuts down and saves electricity.
2. When the mobile phone or tablet PC is connected to the device wireless AP, the green light flashes slowly, and when the HCWScope APP opens and real-time video, the green light flashes quickly.
3. It is suggested to charge it with 5V-1A/1.5A/2A power adapter. When charging, the blue lamp is always on and the blue lamp is turned off when it is full.
4. Although USB Camera has waterproof function, it is recommended to install waterproof ring device when using it.

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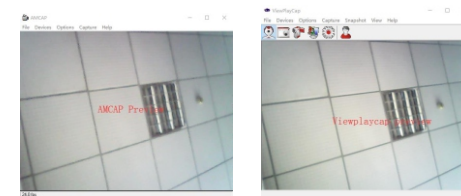
waterproof device



How to Connect Your Computer?

1. First, enter any of the following links through the browser of the computer and download a PC-side application software named AMCAP/Viewplay CAP.
www.szhcwtech.com/upload/other/AMCAP_V1.0.zip
www.szhcwtech.com/upload/other/Viewplay_CAP.zip
2. ViewPlayCAP needs to be installed before use, AMCAP doesn't need to be installed.
3. USB snake camera through micro USB to normal USB transfer cable, insert with computer.
4. Open the APK "Viewplay Cap/AMCAP", in device title column choose the USB 2.0 camera, in option column choose Preview, then can browse (Note: ViewplayCap software can not automatically recognize the video compression format of UVC. When the image display is scrambled, please choose the MJPEG/YUV format to adapt manually.)
5. The image preview interface as shown in below Figure 1 and Figure

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How to use it on MAC:

MacBook OS, please use "Photo Booth" or "QuickTime Player" or "VLC (VideoLAN Client)".

Technical Parameters

Model: HC1200
Wireless Standards: IEEE802.11b/g/n
Operating Frequencies: 2.4~2.4835GHz
Imaging sensor: CMOS
Sensor Size: 1/5or1/6or1/9or1/16inch
view angle: 50/60/70/80degrees
Resolution 640*480. 1280*720, 1600x1200
Frame Rate: 10~30fps
Focal distance: 4-10CM.
Lens Diameter: 3.9/5.5/7.0/8.0mm
Photo Format: JPG/PNG
Video Format: MP4
Power supply: 3.7V 800mAh lithium battery, Charging time: 2 hours
line length: 1.0M/1.5M/3.5M/5M, hardwire or software Optional
Support System: Above Android 6.0 and Above iOS 8.0

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Should any smaller changes in figures contained in the user manual be made without notice.

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 advice.

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