



Wuxi Biomedical Technology.,Ltd

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1.Application

The medical scope is well applicable for hospital, clinics, policlinic, emergency room and medical ward, for doctors and nurses to exam ear, nose and throat.

2.Components

The medical scope S1 includes otoscope lens,main unit,adaptor,TF card,AV joint and USB cable.



3. Specifications

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LCD screen:	3.5 inch LCD
Light source:	Natural white LED
White balance:	Automatic color calibration
Resolution:	720 X 480
Focus range:	20∽60 mm
File format:	JPG (still image), AVI (video)
Interface:	USB,AV output
Storage:	Micro SD card
Battery:	Li-ion rechargeable battery
Power supply:	100V~240V AC50/60Hz DC IN+5V 1A

4. Operation Environment

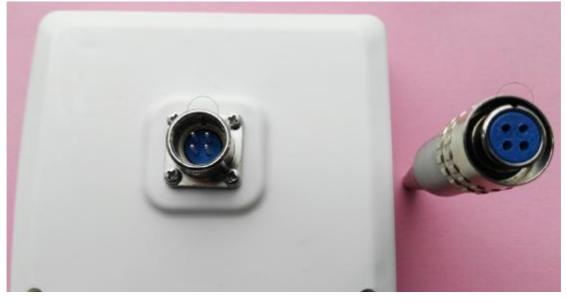
Ambient temperature:	10° ℃ to +40 °℃
Relative humidity:	≤80 %
Atmospheric pressure:	860hPa ∽ 1060hPa

5. Storage Environment

Ambient temperature:	-10° ℃ to +50° ℃
Relative humidity:	10%~ to $80%$,
Atmospheric pressure:	860hPa ∽ 1060hPa

6. Assemble and use

1) Assemble the S1 main unit and lens, noted aligning to the locating port.



2) Hold camera lens and insert into the main unit.



- When assembling pinch here and press hard at the direction of main unit.



- When removing pinch here and pull outward.

3) Assemble and remove the disposable speculum





Assemble the speculum
Remove the speculum
Disposable 4mm speculum recommended
1.Press the jutting mark,
2.remove outwards the speculum

4) **Operation instructions**

a) Press the power button ⁽¹⁾ to power on,about 2 seconds later,the start image indicates on the LED screen.

b) Menu screen

- Press button to enter the 'Menu' mode. It is recommended to set the operation conditions according to the user's requirement for the first use.
- I Menu list: Playback, language, date/time settings and so on.
- I Press ↓ to select, press ❖ to enter next menu.
- c) Press **o** to take photos,

Press **I** to start video recording, press it again to stop recording.

d) Press^O can view photos and videos taken. Users can press **V** to

select any file, press 🏶 to review.

- I In photo playback mode, press ↑ to zoom in (Max 3 times), press ♦, to zoom out the photo.
- I In video mode, press to play video, then press ***** to select playback speed.Press ***** to pause.
- **e**) When live display, press \bigcirc to freeze real time images.
- f) Press 0 to power off.

7. Buttons and interfaces introductions

1) Buttons function introductions



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- OFF: Press 'OFF' to power off directly in any case.'OFF' button designed to prevent buttons not working caused by main unit software's problem.
- **AV OUT:** Through 'AV out', images captured by main unit can be transferred to monitors which has AV input function.
- **USB:** Through USB cable, we can realize function:
 - Charge battery,
 - Connect and transfer images to computer
 - Main unit used as computer's USB camera to capture images (1280*720)
- **TF:** Store images and videos,max 32G recognition.

8. Charging and connection

I Charging:

Connect main unit and adaptor to charge.



I AV output connection:

Through AV Connection, you may connect external monitor to view live images.





AV joint

I USB connection:

Through USB cable, you may connect to any computer to transfer images.

When connected to computer, there is a hint on LCD screen, you may select the function you need.



9. Notes and Warnings

- I Do not Immersion disinfection, especially the lens.
- I Sterilize the main unit with 75% diluted alcohol dipped soft cloth.
- I Clean the screen with soft cloth moistened with water.Do not use alcohol, diluent and detergent.
- Replace speculum and clean the lens before each use for a new patient: Clean the lens with soft cloth or cotton ball dipped with 75% alcohol.
- I For the lens, please avoid being impacted and scratched by sharp objects. Otherwise images will be effected.
- I Do not use in Inflammable and explosive environment.
- I Do not use S1 when charging.
- I When use the otoscope lens, insert ear canals softly and keep the safety distance between otoscope lens and eardrums. Do not make the otoscope lens contact with eardrums.

10.Warranty

- 1) The warranty is 12 months since the date of exportation.
- Following cases are not included in warranty: Natural disasters, artificial destruction, lack of proper maintenance, self-disassembling.

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