

Analytical & Medical Technologies

SW-3303 Specialized digital electronic colposcope system



Application Scope:

1. Examination of exfoliated cytology of vagina on Papanicolaou smear (grade III and above).
2. Cytologic examination was negative, which whereas may be judged as cancer with naked-eye observation.
3. Imperceptible configuration structures that are difficult to affirm pathological changes with naked eye need to be magnified with digital electric colposcope and then observe the pathological changes.
4. Before the cervical cancer operations, the parts affected by pathological changes should be affirmed with the help of digital electric colposcope ,
5. Guiding the parts that should be resected.
6. Health census and screening of normal population.
7. Tracking medical cause accident, medicolegal appraisal of the sex crime and examination of skin care.

System Characteristics:

1. Imported true-to-life video camera with high definition, the most advanced multi-point circular LED light source with super-long life extension(patent :image facula reducing shadow technic).It can improve your observation effect and make image appear more exquisite and vivid without any distortion, represented with more actual tissue color.
2. Fast focusing CCD technology are applied in the pickup camera ,which makes clinical observation and operation more convenient and speedy.
3. On-limits expert nomenclature with large capacity and standard disease image list can provide credible consulting standard for clinical assistant diagnosis.

4. Standard image compression technology is not only convenient for academic communication, but also support remote consultation through Internet.

Performance Index:

1. Camera: Sony 45CP (Available RS232 low light intensity)
2. resolution of lens: 1/4, , Super HAD color CCD, 800000 pixel
3. Horizontal resolution of lens: Min 480
4. Output interface mode of image: S-Video、 Video、 PAL
5. SNR of lens: 52db
6. Focusing distance of lens: Standard 200-500mm, Available 150-550mm)
7. Optics focusing of lens: 18 multiple, digital focusing: 12 multiple.
8. Zooming: 216 multiple
9. Field range: $\Phi=2.5\sim 320\text{mm}$
10. White balance of lens: AWB mode inner light measuring
11. Light source types of lens: multi-point circular LED group(average life extension is 150,000 hours)
12. Continuous image grabbing volume: 1-50 pieces
13. Import bracket from USA
14. Lenovo computer
15. Image display mode: 19" LCD
16. Operation System: windows xp, advanced image processing function, can collect, freeze. Keep, compare, select, delete, remark, edit, print, and preview all the images of examination process.
17. Print type: 6 modes (HP color printer)
18. Storage capacity of image: 1000000 pieces
19. Focus mode of lens: fast automatic or manual focusing

Normal Working Condition:

- 1.Environment temperature: 5~35°C
2. Relative humidity: $\leq 80\%$;
3. Atmospheric pressure: 86 KPa~106 Kpa
6. Far away from magnetic field interference
5. Continuous working time: $\geq 8\text{h}$
4. Service voltage: AC 220V $\pm 22\text{v}$, 50Hz $\pm 1\text{Hz}$

Basic Configuration:

Host	1unit
Brand computer	1set
LCD	1unit
Grabbing card	1piece
Foot switch	1set
Bracket	1set
Colour printer	1unit
Camera	1set

SW-3304 Digital electronic colposcope system



The main function of SW-3304 is same with SW-3303(Specialized), the different is appearance and camera pixel.The pixel of SW-3304 is 48,0000.

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