InnerMed IM-02M-01

Mini Probe Endoscopic Ultrasonic System

Technical Specifications

1. **Scanning mode:** B mode
2. **Image saving format:** BMP, JPG ,PNG
3. **Frozen image:** up to 500 frames
4. **Image playback:** when the image is frozen, up to 500 frames can be played. Automatic or manual frame by fame playback is supported. The automatic playback speed can be set in the range between 5 frames per second and 20 frames per second
5. **Image rotation:** Frozen image can be rotated at any angle between 0 and 360 degree
6. **Image mirroring:** Image vertical mirror transformation is supported
7. **Distance measurement:** Supports the measurement of distance between any two points on the frozen image, maximum 8 measurements on a single image
8. **Area and circumference measurement:** Supports the area and circumference measurement at any area on the frozen image, maximum 8 measurements on a single image
9. **Image annotation:** Supports arrow and text annotation on the frozen image, ≥ 8 groups annotations on a single image
10. **Picture in picture:** The image processor supports the endoscopic image input, simultaneously displays the real-time endoscopic image and ultrasonic image on the same display, supports the switch of endoscopic image and ultrasonic image
11. **Local image magnification:** The image processor provides high resolution ultrasound images, which can be locally magnified to show more details of tissue
12. **Gain adjustable:** The gain of image is adjustable in 16 steps
13. **Display area adjustable:** The display area of image is adjustable, with the minimum value ≤ 4cm and the maximum value ≥ 11cm
14. **Contrast adjustable:** The contrast of image is adjustable in 5 steps

15. **Patient data management:** Built-in patient data management system, which support the function of store, search, view, edit, save, report preview and print
16. **Patient data transmission:** DICOM is supported to transmit the patient data through hospital PACS
17. **Raw data storage:** Ultrasonic raw data can be recorded and edited. Supports the parameter adjustment of range, contrast, TGC on the saved image. Annotation and measurement on the saved image is also supported
18. **Data export:** it supports the export of patient data (image and report) to external USB memory through USB interface

17 Data interface

17.1 Transmission protocol: Supports USB 3.0, TCP / IP and DICOM

17.2 Image save format: BMP, PNG, JPG

18 Mini ultrasonic probe specifications

18. 1 12M mini ultrasonic probe

18.1.1 Working frequency: 12Mhz, deviation within ± 15%

18.1.2 Depth of view: ≥ 14mm

18.1.3 Axial resolution：≤0.3mm

18.1.4 Geometric distortion of ultrasound imaging: within ±10%

18.1.5 Scanning angle: 360° radial

18.2 20M mini ultrasonic probe:

18.2.1 Working frequency: 20Mhz, deviation within ± 15%

18.2.2 Depth of view: ≥ 9mm

18.2.3 Axial resolution：≤0.2mm

18.2.4 Geometric distortion of ultrasound imaging: within ±10%

18.2.5 Scanning angle: 360° radial