

# SIUI CTS-7700 Portable Ultrasound Scanner

**Manufacturer: SIUI**  
**Model: CTS-7700 Ultrasound System**



## Summary:

The SIUI CTS-7700 digital diagnostic ultrasound scanner is a compact PC based system featuring outstanding technology that will enable the user to fulfil the present and future requirements for diagnosis within the ultrasound field. A powerful system able to run a range of Linear, Convex and Microconvex probes. Excellent Image quality coupled with storage to hard disc or USB, comprehensive software and multi-frequency probes make this an excellent merge of cost and performance.

## SPECIFICATIONS

### Scanning Method

- Linear/Convex/Microconvex electronic scan

### Display Mode

- B, 2B and 4B mode
- B/M mode (B & M simultaneous display)
- M mode (1.2, 2.5, 5.0 & 10.0 sec)

### Operating Frequency

- 2.5MHz to 10.0MHz

### Focus

- 32 channel digital beam-former
- 1 to 4 emitting focuses
- Selectable continuous dynamic focusing
- Acoustic lens focusing
- Dynamic aperture and dynamic apodization

### Image Adjustment

- Gain 0 to 99dB
- 8 steps of TGC
- Acoustic power adjustment

### Image Processing

- Dynamic range: 35 to 66dB

- Dynamic slope
- Image persistence (7 steps)
- Edge enhancement (4 steps)
- Line density (normal & high)
- Greyscale mapping (24 types)
- Multi frequency selection

### Image Display

- Image orientation reverse (Left/Right & 90° rotations)
- Display depth: 3cm to 24cm
- Display angle: (convex & microconvex) min 30°
- Display width: max 100%, display width & position selectable
- Realtime zoom, 4 steps of magnification, max X4.0
- Cine memory (512 frames)

### Keyboard

- Silica gels keys, backlit

### I/O Connectors

- Probe connector X 2
- Printer control port
- Video output
- RJ-45 network port
- 2 X USB ports
- DICOM3.0 software port

### Storage Device

- HD Hard disc (10,000+ images)
- USB memory stick

## Display

- 24cm LCD

## Power Supply

- 100V-240V AC 50/60Hz
- Power consumption: 250VA

## Dimensions

- Approx. 310(W) x 415(D) x 320(H)
- Weight: Approx 12Kg

## Regular Measurement

- B mode: distance, circumference, area, volume & angle
- M mode: distance, time, heart rate & slope

## Professional Measurement

- Gestational calculations
- Fetal growth curve
- Cardiology
- Urology
- Small parts
- Peripheral vascular

## Support Software

- Store patient & image data on HD
- 7 frequently used functions can be pre-set
- System configuration for all exam types can be pre-set
- Annotation numbers and letters can be entered: 400 pre-set phrases
- Report function
- Body marks

## Screen Annotation

- Practise & patient ID
- Date and time
- Freeze mark
- Probe type & frame rate
- Acoustic power
- Image size (depth)
- Focus

## Probes (128 elements)

- C3L60B 2.5/3.0/3.5/4.2/5.0MHz  
R60 Convex
- C5I20B 3.5/4.0/5.0/6.0/7.5MHz  
R20 Microconvex
- C6I11B 4.5/5.2/6.0/6.7/7.5MHz  
R11 Microconvex
- C3I20B 2.5/3.0/3.5/4.2/5.0MHz  
R20 Microconvex
- L7L38B 5.0/6.2/7.5/8.2/9.0MHz  
38mm Linear
- L7I50B 5.0/6.2/7.5/8.2/9.0MHz  
50mm Linear
- C3L40B 2.5/3.0/3.5/4.2/5.0MHz  
R40 Convex
- C3L60B 2.5/3.0/3.5/4.2/5.0MHz  
R60 Convex
- V6L11B 4.5/5.2/6.0/6.7/7.5MHz  
R11 Microconvex Transvaginal
- U5L50B 3.5/4.0/5.0/6.0/7.5MHz  
50mm Linear Rectal

## Options

- Video printer
- Laser or inkjet printer
- DICOM3.0 port software
- 3D software
- Biopsy guides
- Trolley
- Stand-offs

*\*The specification is subject to change without notice*