

## Technical Specification



### General:

Imaging mode: B, 2B, 4B, B+M, M, and PW  
 Gray scale levels: 256  
 Display: 12.1" TFT-LCD  
 Transducer frequency: 2.0-10.0MHz  
 Transducer connector: 2 standard  
 Beam Forming:

Phase Inversion Harmonic Imaging  
 Multi-Beam Technology  
 Synthetic Receiving Aperture  
 Dynamic Receiving Focusing  
 Real-time Dynamic Aperture  
 Dynamic Frequency Scanning  
 Dynamic Apodization

### Scanning angle:

Up to 155 degrees (transducer dependent)

### Scanning depth (mm):

From 19 to 324 (transducer dependent)

### Applications:

Abdomen, obstetrics, gynecology,  
 small parts, musculoskeletal, cardiology,  
 peripheral vascular, urology

### Functions:

Cine loop: 256-frame bidirectional cine-loop

Zoom: x1.0, x1.2, x1.4, x1.6, x2.0,  
 x2.4, x3.0, x4.0 in distance

Panoramic zoom in real-time and freeze

### Storage media:

Built-in Flash, internal large capacity  
 data storage

### Built-in image archive:

504MB built-in image storage

### Body marks:

>130 types

Transducer auto-detection

### Others:

#### Peripheral ports:

S-video output: 1

Video output: 1

VGA output: 1

USB port: 2

Ethernet port: 1

Remote control: 1

Footswitch port: 1

Power supply: 100V-240V ~ 50Hz/60Hz

Lithium battery: Continuous operation for up to 2 hours

Dimensions: 330mm (13.0") (L) x 220mm(8.7") (W)  
 x320mm (12.6") (H)

Net weight: 7.1kg (15.7 lb)

#### Imaging Processing:

Pre-processing: Dynamic Range

Frame Peristalt

Gain

B-segment TGC adjustment

IP (Imaging Process)

Post-processing: Gray map

Speckle Reduction Technology

Pseudo-color

Gray Auto Control

Black/white invert

Left/right invert

Up/down invert

Image rotation at 90° interval

#### Measurement & Calculation:

B-mode: Distance, circumference, area, volume,  
 ratio, stenosis, histogram, and angle

M-mode: Distance, time, slope, and heart rate

Doppler: Time, heart rate, velocity, acceleration,  
 trace, and RI

Software packages:

General, obstetric, gynecology, small parts,  
 orthopedics, cardiology, peripheral vascular,  
 and urology

### Display:

Date, Time, Probe Frequency, Frame Rate, Patient Name,  
 Patient ID, Hospital Name, Depth, Frame Rate, Exam Type,  
 Measurement Values, Body Marks, Annotations, Probe Position

#### Standard configurations:

DUS 60 main unit

12.1" TFT-LCD monitor

Two transducer connectors

Pulsed wave Doppler

Multiple-pseudo-color imaging

256-frame cine loop memory

504MB built-in image storage

Two USB ports

Measurement & calculation software packages

Convex array transducer

C361-2 (2.5/3.5/4.5/Hz/2.7MHz)

#### Options:

Micro-convex array transducer:

C611-2 (5.5/6.5/7.5/Hz/4.7MHz)

Linear array transducer:

L761-2 (6.5/7.5/8.5/Hz/4.7MHz)

Linear array transducer:

L743-2 (6.5/7.5/8.5/Hz/4.7MHz)

Endovaginal transducer:

E611-2 (5.5/6.5/7.5/Hz/4.7MHz)

Endorectal transducer:

E741-2 (6.5/7.5/8.5/Hz/4.7MHz)

Needle-guide brackets for transducers

Large capacity data storage

Video printer

Laser printer

Inkjet printer

Footswitch

Li-ion battery

Mobile trolley

Hand-carry bag

DICOM 3.0

UMS100 workstation software

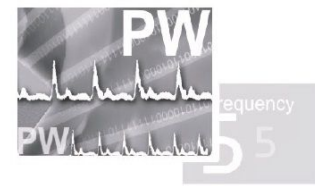
## Digital Diagnostic Ultrasound System

### DS 30 Plus



**ULTRASERVE SYSTEMS**  
**S1 Sri Durghalaya Apartments**  
**55 Thiruvalluvar Salai**  
**Nesapakkam, Chennai-78**  
**Ph: 9940010520 / 044-43592999**

**Sonoray**



- **Powerful technologies to increase your diagnostic confidence**
- Phase Inversion Harmonic Imaging technology provides best-in-class image quality
  - PW Doppler supplies more hemodynamics information
  - Five-frequency transducers increase versatility



- **Go anywhere you need to go**
- Compact and lightweight design facilitates mobility
  - Built-in battery provides up to two hours of imaging
  - Large capacity data storage



- **Intuitive user-friendly design**
- One touch image optimization via smart image processing key
  - Backlit, easy-to-use control panel
  - User-defined keys to customize your work-flow



- **Practical tools enhance efficiency**
- Intelligent 8-segment TGC for precise adjustment
  - Multi-format data transfer via USB and DICOM
  - Multiple-pseudo-color options enhance image presentation



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