

## Technical Specification



**General:**  
Imaging mode: B, 2B, 4B, B+M, M, and PW  
Gray scale levels: 256

Display: 12.1" TFT-LCD

Transducer frequency: 2.0-10MHz

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 10 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, x1.8, x2.0,  
x2.4, x3.0, x4.0 in distance  
Panorama 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-deflection

**Others:**

S-video output: 1  
Video output: 1  
VGA output: 1

USB port: 2  
Ethernet port: 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 Persist

Gain

8-segment TGC adjustment

IP (Imaging Process)

Post-processing: Grey 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:**

Data, 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

504MB built-in image storage

Two USB ports

Measurement & calculation software packages

Convex array transducer:

C361-2 (2.5/3.5/4.5/5.0/6.5MHz)

Micro-convex array transducer:

C611-2 (5.5/6.5/7.5/8.5MHz)

Linear array transducer:

L743-2 (6.5/7.5/8.5MHz)

Linear array transducer:

L761-2 (6.5/7.5/8.5MHz)

Endovaginal transducer:

E611-2 (5.5/6.5/7.5/8.5MHz)

Endorectal transducer:

E741-2 (6.5/7.5/8.5MHz)

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**



36 Week Placenta/Cord



Breast Cyst



Liver/Kidney



Ovary



Popliteal Vein/Artery



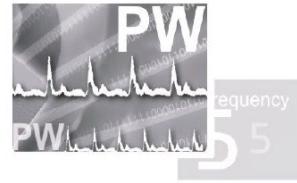
Testicle



Transverse Pancreas



Uterine Fibroid



**► 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

**Sonoray**