# Digital Ultrasonic Diagnostic Imaging System

High quality B/W portable & compact ultrasound system. Diagnostic B/W image quality with PW Doppler capability. The ergonomic and user-friendly design with two standard probe connectors allow for an increased efficiency of use in all applications.

## Imaging mode:
- B, B+ B, 4B, B+M, M and PW

## Gray scales:
- 256

## Display:
- 12.1” TFT-LCD

## Transducer frequency:
- 2.0-10.0 MHZ

## 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 152 degrees (transducer dependent)

## Scanning depth (mm):
- From 19 to 324 (transducer dependent)

## Applications:
- Abdomen, obstetrics, gynecology, small parts, musculoskeletal, cardiology, peripheral vascular, urology.

## Cine loop:
- 256 frames bidirectional cine-loop
- 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:
- 500M B 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
- 330mm x1130mm x320mm (13.0” x1220mm x8.7”) (W xL xH)

### Net weight:
- 7.1kg (15.7 lb)

## 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.

## MEASUREMENT & CALCULATION

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

### M-mode:
- 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
Innovative Imaging technologies, such as **Phase-inversion Harmonic imaging**, **Speckle Noise Reduction Technology** and **Frequency Compound imaging** provide high image quality and ease of use in most clinical applications.

Liver – **Phase-inversion Harmonic imaging** improves near field resolution with an increased overall image quality.

Thyroid - **Compound Imaging** reduces image artefacts and improves image quality.

CCA Doppler - **Duplex mode** increases diagnostic capability.

Uterus - **Dynamic Freq. Filter** allows for better Near field resolution and increased penetration.

Breast - **Multi-Beam Formation** increases time resolution and frame rate.

Fetus - **Speckle Noise Reduction Technology** improves image quality in all the area of interest.

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**A Complete family of multi-frequency convex, linear and endocavity probes cover diverse clinical requirements of your daily practice.**

All probes are lightweight and ergonomically designed to deliver premium performance and user comfort in Abdominal, Vascular, Small Parts, Musculoskeletal, Obstetrics and Gynecology applications.

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High Quality Imaging Solutions - American Service and Reliability