

## Product Configurations

OB/GYN Model	C3.5 MHz EC6.5 MHz
Hepatology	C3.5 MHz L5.0 MHz
Urology	TR8.0 MHz C3.5 MHz
Cardiac/Shared Service	C3.0 MHz L5.0 MHz L7.5 MHz
3D/4D Scanning	3D-C4.5 MHz



# DIGISON-Q

Digital Diagnostic Ultrasound System

## Serviceability

- Designed to be easily serviced.
- Electronics contained in a PC sized box that can be easily removed.
- Extensive on-board diagnostics for troubleshooting.
- PC-based architecture and Windows-based operation enables remote diagnostics and software maintenance.

## Specifications

- 17-inch high resolution LCD color monitor.
- Elastomeric keyboard with 8 sliding TGC controls.
- USB connections, 2 front accessible ports.
- Connectivity with PC & video printer.
- HD 500GB, DVD writer for permanent storage (optional).
- Dimensions: 61.5cm W x 70cm D x 140cm H.



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## Features

Superb image performance - mid range to high range performance with powerful 4D imaging package at an easily affordable price range.

Multipurpose system addressing abdominal, OB/GYN, vascular, cardiac, small parts and urology applications.

Has two active probe connectors plus one park for a third probe, and supports an extensive probe family for all applications.

Imaging-guided biopsy.

Digital beamforming with high frequency capability, imaging frequencies as high as 15 MHz.

Scanning depth up to 25cm.

256 Gray Scale levels & Gamma Correction.

Adjustable multiple transmit focusing & dynamic receive focusing.

Tissue Harmonic Imaging.

Speckle reduction.

Versatile pre-processing & post-processing tools.

Zooming levels in real time & freeze mode with moving lens capability.

Cine loop for both B & M modes.

Extensive measurement and calculation packages for all modalities with user-programmable tables & formulae.

Sophisticated digital image management and report generation including HTML formatting for web viewing.

DICOM 3.0 compliant (optional).

Windows based for unlimited application flexibility and application support.



## Modes of Operation

2D Black & White (B mode)

Pseudo-color (chroma) modes

M-mode with variable sweep rate up to 3 speeds

Extended imaging modes: B/B, Quad B, B/M

## 3D/4D Imaging

Five volume rendering modes

B/W and color image scanning

TUI (Tomographic Ultrasound Imaging)

Multi-Plane Reforming (MPR)

Cut/oblique planes

Volumetric viewing from any angle

Movie generation

Segmentation tools

Enhancement filters

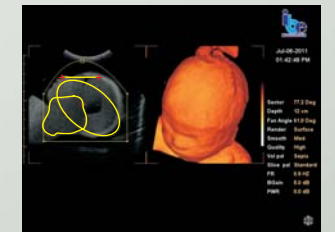
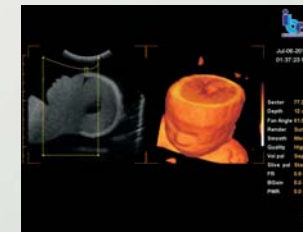
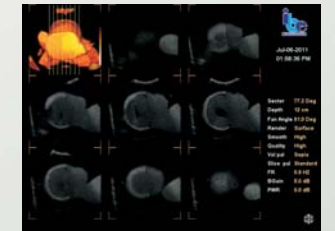
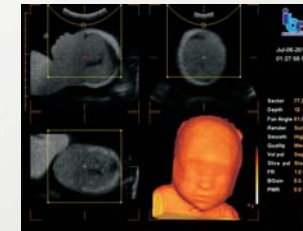
Volumetric measurements

3D image printing

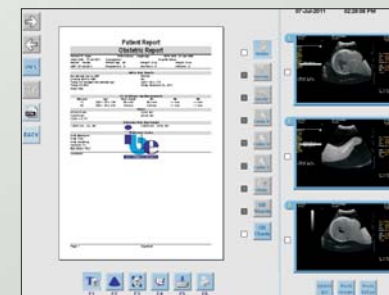
Export images to standard formats

Volume archiving

Advanced editing tools



## Calculation Packages & Report Generation

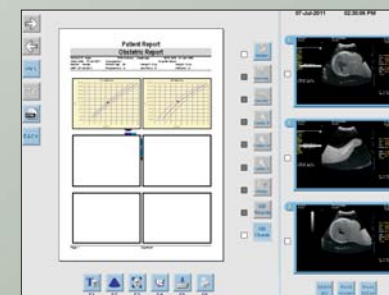


*DIGISON-Q has extensive calculation packages for each modality. A state-of-the-art report generator combines digital image management capability, images, calculations, and notes into a well organized report. A user can even design custom reports.*



Caliper measurements:  
Distances (multiple), Area, Volume

OB calculation package:  
User selectable tables for estimating gestational age, fetal weight, growth parameters  
Graphic display of growth charts with measurements



Cardiac calculation package:  
Volume calculations using multiple methods  
Measurements on B-mode and M-mode  
Cardiac output and performance ratios by several methods