

# G70

## Digital Ultrasonic Diagnostic

### Imaging System

#### *Perfect Imagery in Reality*

*In Considerably Detailed Research and Elaborate Developing Process, the Expectations from Clients, Invention Patent Technologies by Our Engineering Team and the Vision of "Perfect Imagery in Reality" are Joined to form the Spirit and Performance of G70.*

#### **System Specifications:**

**Net Weight:** <65kg

**Dimensions:** 99.0 cm L x 69.0 cm W x 120.0cm H

#### **Display:**

- 15" LCD
- Tilt and rotate adjustable
- Adjustable support arm

#### **Display Modes and Imaging Processing:**

##### **Image modes:**

- B mode (dual/quad B)
- M mode (B+M)
- Color Doppler
- Power mode (Directional Power)
- PW mode (HPRF)
- Anatomical M mode
- B/C Live (B and color simultaneous comparison display)
- eView Panoramic Imaging
- Triplex mode
- Freehand 3D
- 4D
- CW (Continuous Wave Doppler)

##### **Image processing:**

- Tissue Harmonic Imaging
- eSCI Spatial Compounding Imaging
- eFCI Frequency Compounding Imaging
- ePure Unique Speckle Reduction Technology
- eSpeed Auto Optimization
- Trapezoid imaging
- Slant scanning for linear probes (B Steer)
- Low noise preamplifier

- Frame average
- Line average
- Gamma correction
- Histogram
- Digital scan conversion (DSC)
- Edge enhancement
- Noise rejection
- Smooth
- Image optimization
- Grey scale transformation
- Pseudo-color
- Color persistence

#### **Keyboard Interface:**

- Backlit Keyboard
- Multi-function Knobs
- Trackball for easy operation and navigation
- Ergonomic Soft Key Operations
- 8 Segment TGC
- User Defined Blank keys with Ergonomic Soft keys: shortcut for easy access to system menus and active parameter adjustment

#### **Display Control:**

- Left-right reverse
- Up-down reverse
- Polarity reverse
- Picture rotation (0° /90° /180° /270° )
- Color reverse
- Inverse-frequency spectrum
- Brightness adjust & Contrast adjust

#### **Application Specific Calculations:**

##### **Dedicated Software Package:**

Gynecology, Obstetric, Early Pregnancy, Middle-later Pregnancy, Fetus Cardiology, Vascular(including IMT Study), Periphery Artery, Periphery Vein, Carotid, Jugular, Abdomen, Adult Abdomen, Adult Liver, Adult Gallbladder, Adult Spleen, Kid Abdomen, Urology, Kidney Ureter, Bladder Prostate, Cardiology, Adult Cardiology, Kid Cardiology, Small parts, Mammary Glands, Thyroid, Eye ball, Orthopedics, Hip Joint, Meniscus, Joint Cavity, Spine and Transcranial Doppler package.

#### **Powerful preset:**

- General
- Options

- Image Preset
- Measure Setting
- Calculate Preset
- Comment Setting
- TV Out
- DICOM
- P1-P2
- System info

**Intelligent Workflow/Storage:**

- **Patient – Probe & Application Selection – Image Adjustments – Measurement & Calculation – Annotation – Saving – Report – End Exam**
- Intelligent patient data management platform with integrated search engine for patient data
- Intelligent data backup/ restore
- 250G /500G integrated hard disk for Storage
- Build-in DVD-R/W

**Connectivity:**

- DICOM basic
- 4 USB Ports
- 1 VGA
- 1 RS232
- I/O Audio
- I/O Video
- S-Video

**Standard Configuration:**








- 15-inch LCD monitor
- Control Panel
- Adjustable support arm
- Handle
- Harmonic imaging
- Trapezoid imaging
- Slant scanning for linear probes (B Steer)
- ePure
- eSCI
- eFCI
- eSpeed
- eView
- EFVI Imaging for Convex Probe
- 250G integrated hard disk
- 4 probe connectors
- I/O Interfaces
- IMT (Auto Calculation of Intima-Media Thickness)
- DICOM basic

- DVD-RW

**Options:**

- 3D/4D
- CW
- Footswitch:
- Probes
- Needle-guided bracket
- 500G integrated hard disk



Transducers	Applications	Bandwidth	Depths
<p><b>35C50K</b></p> 	Gynecology, Obstetrics, Pediatric, Abdominal, Vascular, Urology	2.0–5.0 MHz R50mm broadband convex transducer	300mm
<p><b>10L25J</b></p> 	Small parts, Breast, Vascular, Orthopedics, MSK	5.0–12.0 MHz L26mm broadband linear transducer	
<p><b>75L40K</b></p> 	Small parts, Breast, Vascular, Orthopedics, MSK	5.0–9.0 MHz L41mm broadband Linear transducer	120mm
<p><b>65C10K</b></p> 	Gynecology, Obstetrics, Pediatric, Urology, Cephalic	5.0–7.5 MHz R10mm broadband transvaginal transducer	120mm
<p><b>35C20H</b></p> 	Abdominal, Pediatric, Cephalic, Transcranial, Cardiac	2.5–5.0 MHz R20 mm broadband Micro-Convex transducer	300mm
<p><b>65C15D</b></p> 	Abdominal, Pediatric, Cephalic, Transcranial, Cardiac	5.0–7.5 MHz R15 mm broadband Micro-Convex transducer	
<p><b>35D40J</b></p> 	Fetal face, Fetal spine	3.0–5.0 MHz R40mm broadband volume convex transducer	
<p><b>30P16A</b></p> 	Cardiac	2.0–5.0 MHz L16mm phased transducer	