

Technical Specifications

Scanning Mode	Electronic Convex / Linear / Phased / Convex VolumeArray
Imaging Mode	B, Dual B, Quad B, THI, M mode, Colour Doppler, PDI/DPDI, PW Doppler, CW Doppler, TDI, HPRF, CW, Anatomic M mode, Dual-Live, Duplex and Triplex mode, Trapezoid Imaging.
Probe Connector	Five Active
Probe Frequency	Frequency range of 1-17MHz (depending on probe.)
Gain Control	Overall Gain Control, 8 step TGC
Hard Drive	500 GB
Image Depth	1 to 45 cm
Advance Technology	eSRI, eView, eHI, eBeam, eTAI, eBoost, eOptimized - One key optimization, eTouch - Efficient 'Swipe', Auto IMT, PW Auto Trace, Prospective / Retrospective Clip, Digital Zoom, Full Screen Zoom, eNeedle, Anatomic M mode, TDI mode-Tissue Doppler Imaging, 3D/4D Imaging, eLearn Instruction software
Peripherals	S Video, USB 3.0, USB 2.0, HDMI, Ethernet
Optional Features	3D/4D, eFACE, TDI, Anatomic M mode, in-Built battery, Gel Warmer, eNeedle for Needle Visualization, Digital gesture control.

Transducers

C5-2Q



2 - 5 MHz
Curved Array

C6-2MQ



2 - 6 MHz
3D/4D Mechanical
Curved Array

E8- 4Q



Transvaginal Probe
4-8MHz

L12-5Q



5 -12 MHz
Linear Array

P5-1Q



1 - 5 MHz
Phased Array

L17-7HQ



7 - 17 MHz
High Frequency
Linear Array



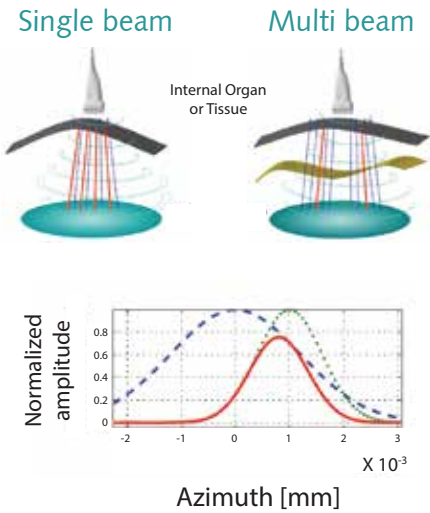
**Excellent Diagnostic
Confidence
Excellent Productivity**

Recreates better solutions for Efficient Patient Care & Good User Experience.

eBEAM

Digital Multi-Beam Forming

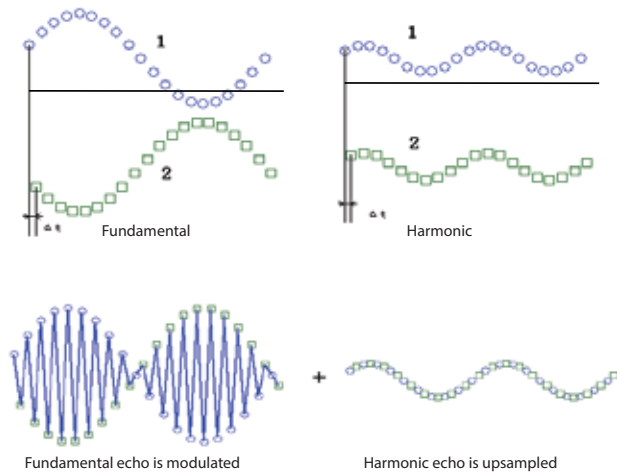
New generation beamforming algorithm, supports 8 parallel beam processing & integrating adaptive phase correction, dynamic aperture, greatly improves imaging resolution and frame rate.



eHI

Harmonic Imaging

eHI launches a reverse wave to offset the fundamental wave, thus maintains a maximum harmonic wave. With the increased harmonic signal, the image is defined by a better contrast resolution with minimum artifacts.



Solutions for Superior Performance

eTAI Tissue Adaptive Imaging

According to the actual ultrasonic signal in the organization being inspected, B mode and Color mode parameters are automatically adjusted. Different proficiency operators can work in a very short time to obtain excellent consistent scanning results, improving scan efficiency.

eSRI Adaptive Speckle Reduction Imaging

Eliminate inherent noise spots & greatly improves the image clarity and contrast resolution which provides more reliable diagnostic images. eSRI is efficient noise technology that suppresses speckles completely, increasing signal-to-noise ratio and reflecting speed.

eVIEW Adaptive Compound Imaging

By steering the ultrasound beam, eview improves the contrast resolution, strengthens border detection, combined with a dramatic reduction of tissue speckles.

Wide range of applications

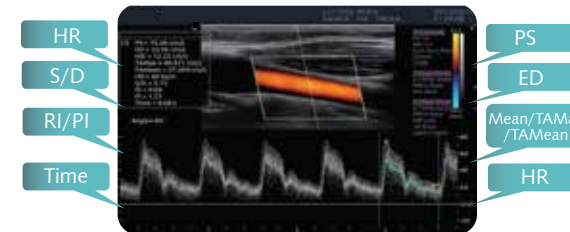
Radiology

Trapezoid Imaging

Trapezoidal mode enlarges the imaging area by 30% when performing a real time scan.

Auto Trace

It can trace the PW/CW wave automatically, which can help doctors to make tedious measurements easily & conveniently.



Auto IMT

After selecting an area containing Inter-Media Thickness (IMT), the ultrasound machine can trace and take measurements of the IMT automatically, just at the touch of a single button.

eNeedle (Optional)

It positions the ultrasound beam perpendicular with the needle & enhances the signal strength deflected off of the needle. Displaying the needle more clearly on the screen, to help during biopsy procedures.



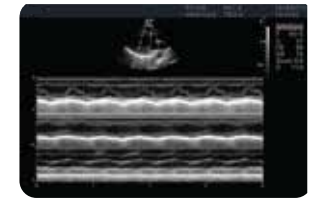
Cardiovascular (Optional)

Tissue Doppler Imaging

TDI can provide velocities and other clinical information on myocardial functions, facilitating clinical doctors to analyze and compare motions of different parts of patient's heart.

Anatomic M mode

Provides 3 cursors which can be set at any position & angle simultaneously giving all information even in hard-to-scan patient's with difficult heart positioning



OB/GYN

GYN Imaging

200° FOV TVS Probe Available (Optional)

3D/4D Imaging

Thanks to CD E-lite as it offers high frame rate 4D acquisition, Data Rendering & Post Processing functionality.

eFace (Optional)

One key optimization of 3D image, greatly increases the scanning efficiency

