



**Excellent Diagnostic  
Confidence  
Excellent Productivity**

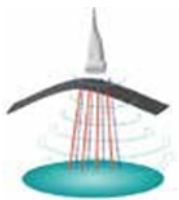
# Recreates better solutions for Efficient Patient Care & Good User Experience

eBEAM

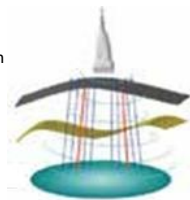
## Digital Multi-Beam Forming

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

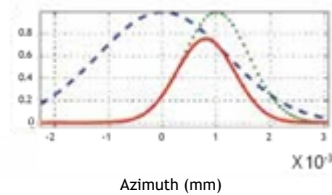
Single beam



Multi beam



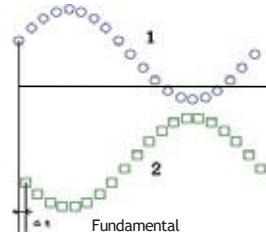
Normalized Amplitude



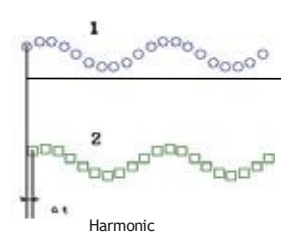
eHI

## Harmonic Imaging

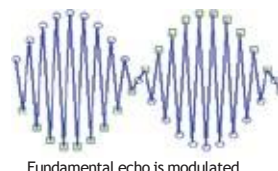
eHI launches a reverse wave to offset the fundamental wave, thus maintains a maximum harmonic wave. With the increased harmonic signal, the image is defined by a better contrast resolution with minimum artifacts



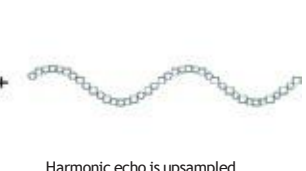
Fundamental



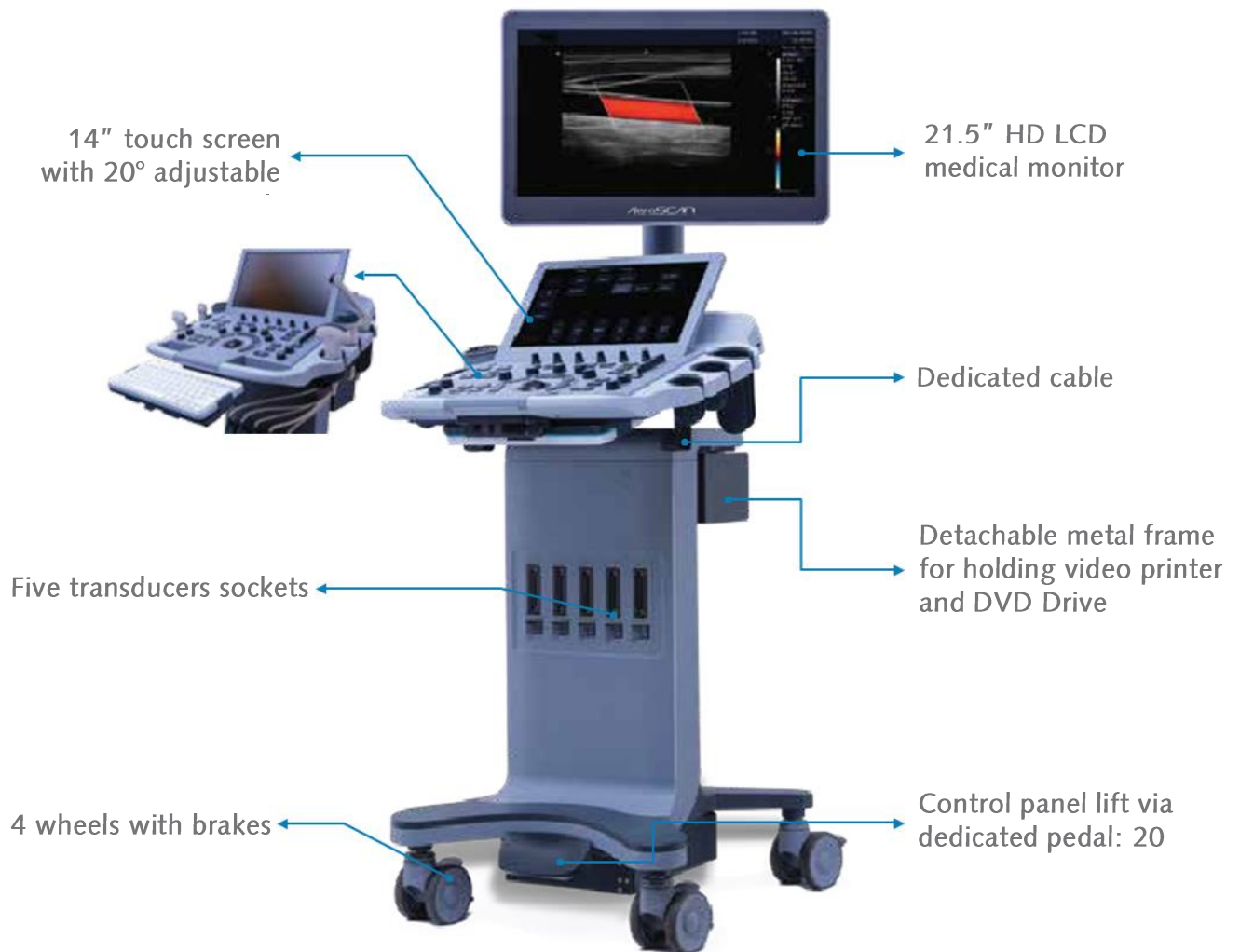
Harmonic



Fundamental echo is modulated



Harmonic echo is upsampled



14" touch screen  
with 20° adjustable

21.5" HD LCD  
medical monitor

Dedicated cable

Five transducers sockets

Detachable metal frame  
for holding video printer  
and DVD Drive

4 wheels with brakes

Control panel lift via  
dedicated pedal: 20

# 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

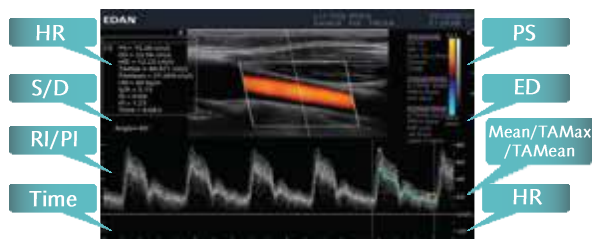
### Radiology

#### 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.



Original Image



eNeedle ON

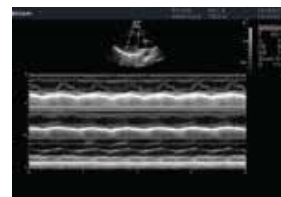
### Cardiovascular (Optional)

#### 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



# Technical Specifications

Scanning Mode	Electronic Convex / Linear / Phased / Convex Volume Array
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**



2 – 8 MHz  
Transvaginal Probe

**L12-5Q**



5 -12 MHz  
Linear Array

**P5-1Q**



1 – 5 MHz  
Phased Array

**L17-7HQ**



7 - 17 MHz  
High Frequency  
Linear Array