



ESE-G50

Color Ultrasound System



IMAGING SYSTEMS



ESE-G50

Color Ultrasound System



Exceptional performance, ESE-G50 meets all your clinical needs

- Unmatched image quality
- All range of features, functions, and probes
- Intuitive and fast workflow
- Highly sensitive 10 inch capacity touch panel
- Intuitive, configurable and touch screen operation interface
- 19 inch screen with high resolution IPS, LED technology



Applications

- | | | |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Abdomen • Obstetric • Gynecology • Cardiology | <ul style="list-style-type: none"> • Urology • Vascular • TCD | <ul style="list-style-type: none"> • Small Parts • Pediatrics • Intra-operative |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|

***Best-in-class compact,
multi-purpose ultrasound***



Innovative RF platform

The revolutionary RF platform, removes the limitation on hardware pre-processing and demodulation of traditional ultrasound platform. This allows all radio frequency signal for computing and processing, which is approximately dozens of times of data size than current traditional ultrasound is using, with the advantage of retaining more information and getting more accurate RF raw data for post processing. It results in much better image quality in resolution and contrast. This platform also has higher frequency range which can support probe from 1-25MHz. The intuitive work flow and user interface make it ease of use. And continuous improvement is our commitment always.

Pure wave probe technology

Pure wave probe technology increases bandwidth and signal sensitivity due to uniform polarization. The pure wave sector probe provides better penetration, and colour sensitivity in cardiac application.

Xcen Probe Technology

Xcen high frequency technology adds more than 30% of wideband than normal probe to improve resolution for better diagnosis in tiny nidus.

Excellent triplex performance

Our triplex mode gives great real time scanning experience without any pause. It provides much easy to diagnose lesion through three aspects in parallel.

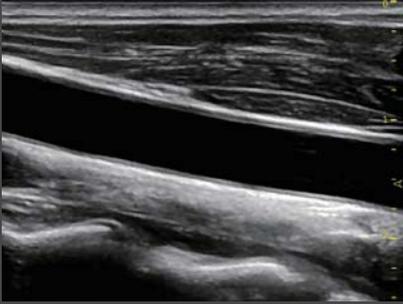
Auto IMT measurement

This function automatically measures Intima-Media Thickness in interest area, and provides the measurement result in easy, fast and accurate approach.

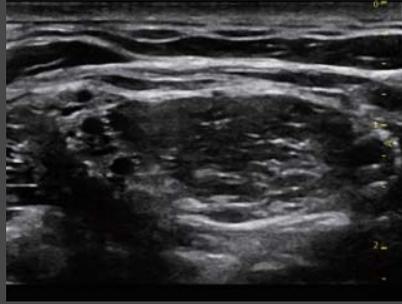
Tissue Doppler/Tissue Velocity Imaging (TD/TVI)

Tissue Doppler imaging and tissue velocity imaging help myocardial velocities evaluation and quantitative analysis of the cardiac function.





Carotid Artery Intima



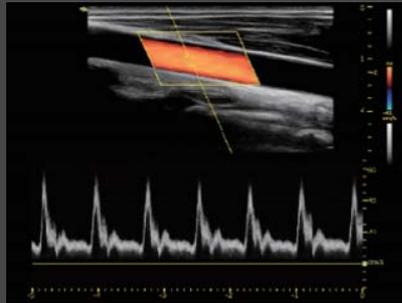
Branchial Plexus



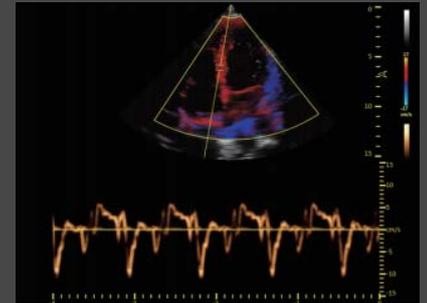
Speckle Noise Reduction



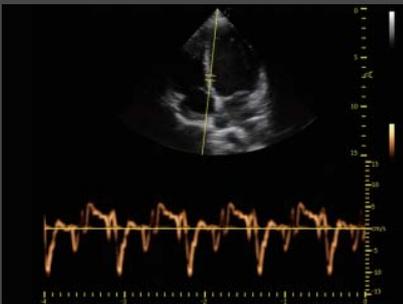
Bladder Cancer Blood Supply



Carotid Artery Spectrum



Tissue Velocity Imaging



Tissue Doppler

- Tissue and Phase inversion harmonic imaging
- Vfusion - Spatial Compound Imaging
- Vspeckle – Speckle Reduction Imaging
- Continuous Wave Doppler
- Auto Trace in PW/CW
- Full screen imaging
- Auto optimization
- 3D/4D imaging
- SRV (Super volume resolution)
- High Quality Rendering algorithm (HQ Rendering)
- STIC (Spatio Temporal Image Correlation)
- 500G Hard Disk, DVD-RW and 4 USB ports