

ZONARE SMART KART

Ultrasound system



Data acquisition in Zones : a unique patented technology.
A Revolutionary Approach for an unmatched image quality.

« The image looks like an anatomical cut... It is just amazing... »



No need for focus control : All-over clear images

Premium image quality allowing displaying on an up to 19" high resolution TFT monitor

Larger field of view while keeping an ultra fast image acquisition

Dual Mode (Simultaneous B and color Doppler) without quality loss

CW, ECG (Cardiology unit) as options

One-button image optimization

Color Doppler and power Doppler are standard

Scalable system

Full Dicom

Compact portable system module also available (only 2 kg)



**Optimization : A perfect image in every circumstance.
Try it out, or ask for our videos !**

ZONARE ultrasound system

Zonare is an ultrasound system made in Silicon Valley, California. It uses a new revolutionary technology. With respect to most conventional ultrasound systems, Zonare is the only machine developed with this patented technology.

ZONARE KEY FEATURES

Using a small number of large zones, the technology of Zonare acquires ultrasound data up to ten times faster than conventional systems and implements the full reality of data acquisition and management in software rather than hardware. This approach delivers substantial clinical benefits and new clinical capabilities :

Acquisition data 10 times faster than conventional systems

- Short sequence of acquisition data allowing plenty of free time for a comprehensive analysis
- More information acquisition : Improvement of contrast resolution for a much better image quality
- Simultaneous color Doppler and B Mode display without any image quality loss
- Premium image quality on a large 19" monitor
- Wide angle display without altering the image
- Continuous transmit focusing delivers image uniformity at every point of the image
- One-button optimization of the whole image for every patient
- Patient-specific image optimization with sound speed correction technology (image improvement on specific patients : obese patients, etc...)
- Premium image quality to meet cardiology needs

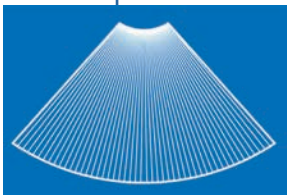
Scalability :

- Each new zone that is acquired has data that overlaps with the previous zone. These data are held in buffers, without awaiting the end of treatment of every signal.
- Performance of the system only depends on computational speed environment evolving according to Moore's law*. Upgrades are proposed for continual improvements.
- Storing all the data construction of the image leading to a post image processing. All settings can be modified a posteriori.

Zonare ultrasound system is a fully-fledged ultrasound machine packed into a compact portable scan engine :

- A compact portable system (only 2 kg) module is also available (Scan Engine) can be mounted on the Kart and removed easily.
- The Scan Module (without monitor and keyboard) is removable and only weighs 2 kg, making easier problem solving.
- The Kart version is compact and lightweight compared to conventional systems. Thus it benefits from an ergonomic design suitable for all types of uses.
- Technical cost of data acquisition is low compared to the unmatched machine performance !

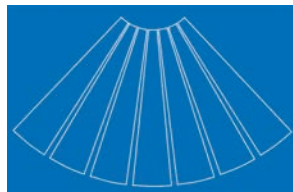
**Moore's law : Computational power double every 18 months.*



Conventional Sonography

MORE PERFORMANCE :

- + Harmonic + Compound + Speckle reduction
- + Anatomical M Mode : Image of the heart is positioned in the probe axis
- + Dual Mode : Active simultaneous display of the color Doppler image and 2D image
- + Doppler Mode (PW or CW) : High resolution B display without quality loss



Zone Sonography:
more information for
more quality

ZONARE INTERFACE

19" LCD monitor can be swiveled in any direction.
Context menus : Direct access to settings in connection with the function in use
Large size thumbnail viewing of stored images or videos
User-friendly keyboard : One-button image optimization
Full Dicom
Images can be exported onto USB flash memory
HDMI monitor connection
LAN connexion for PACS
Flash memory disk + hard disk



**Ask for image samples or try it out !
Unbeatable performance !**

