



SONOACE 8000 Live **PRIME**
THE VALUE 3D ULTRASOUND SYSTEM

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see it all 
MEDISON

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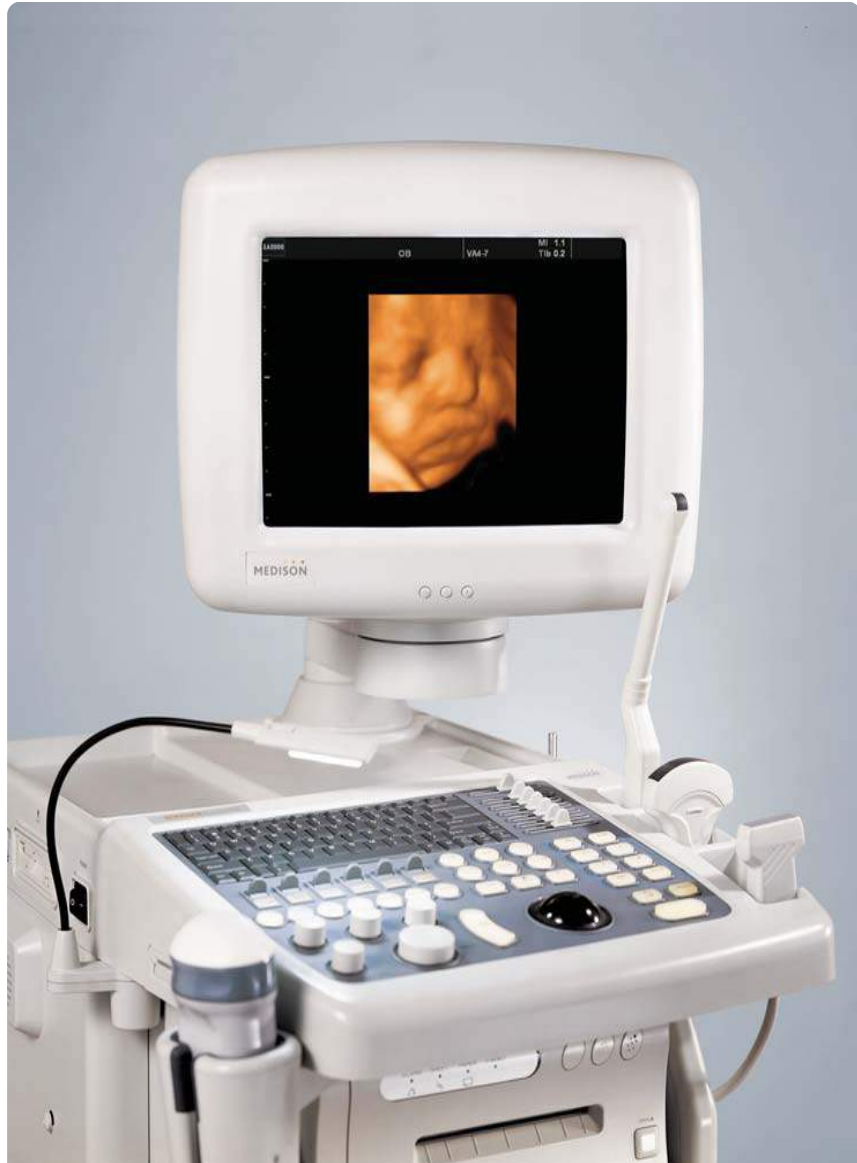
a new revolution.

It's the dawn of a new era in affordable, true 3D ultrasound

At Medison, we have a history of innovation. We were the first to make the leap to the third dimension when we introduced our ground-breaking digital 3D ultrasound platform with Live 3D™ technology in 1998, making it possible to capture true 3D volume data in real-time. Today, we're proud to introduce the new Prime Edition of our SONOACE 8000 Live, the true 3D ultrasound system designed to bring the power of Live 3D in your hands. SONOACE 8000 Live Prime offers superior image quality thanks to our new C-Square Technology and newly applied PSAD Beamformer. Read on to find out more about what the Medison 3D revolution can do for you.

SONOACE 8000 Live **PRIME**

revolutionary technology

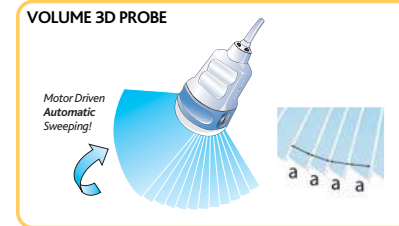


Our 3D volume imaging will change the way you look at diagnostic imaging

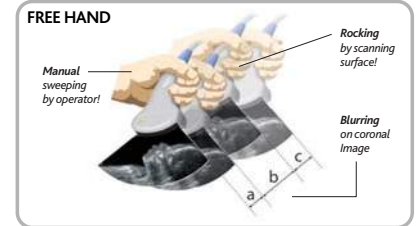
Our industry-pioneering Intelligent 3D Core™ technology quickly and automatically captures true 3D volume information. That means that along with beautiful surface-rendered fetal images, you'll get the breakthrough ability to freely navigate through and examine an extremely accurate 3D volume dataset of the region of interest. Simply put, Medison's new Intelligent 3D Core™ technology for 3D will forever change the way you look at diagnostic imaging.

QUICK AND PRECISE

While the inherent lack of precision in manual process of 3D imaging makes the volume data virtually useless for diagnostic purposes, our high-tech 3D probes have overcome this challenge with an ultraprecise automatic volume scanning mechanism that captures a high-resolution 3D dataset of the region of interest. Our new Intelligent 3D Core™ has even made the full operation of 3D imaging quicker while producing the best optimized Live 3D image for OB/GYN diagnosis. The scan data can then be reviewed and analyzed with the extensive suite of 3D post-processing and visualization tools available in our SonoView™ image management application. There's simply no other 3D ultrasound system that offers so much for so little.



- Exact volume measurement available
- Real 3D interpolation



- Inaccurate quantitative info
- Separable 2D interpolation

3D XI™

Extending the diagnostic capabilities of our most popular system, SONOACE 8000 Live now includes the full capabilities of 3D eXtended Imaging technologies. Giving you the power to fully view, analyze and diagnose with greater level of accuracy than ever before.

- 3D eXtended Imaging includes Multi-Slice View, Oblique View and VolumeCT image processing technologies

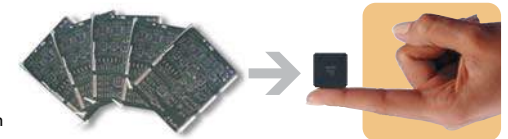
SHARP AND DETAILED

delivers are a result of our state-of-the-art 2D digital beamforming technology and intelligent digital signal processing.

- Multi-beam reception for ultra-high frame rates
- FINE™ filtering for noise reduction and edge enhancement
- Harmonic and pulse inversion harmonic imaging for enhanced spatial resolution in difficult-to-image patients
- CAFE Plus flash artifact filtering for better blood flow visualization

SMART AND COMPACT

The SONOACE 8000 Live owes its industry-leading 2D and 3D imaging capabilities to the same patented digital beamforming technology that powers our top-of-the-line systems. Our expertise in system integration and miniaturization enables us to

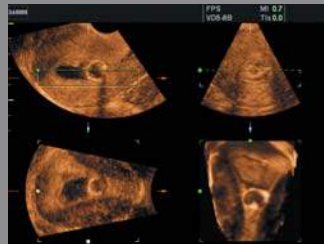


deliver a massive amount of real-time processing power with just a handful of custom application-specific integrated circuits. Built on a Windows® 2000 PC platform, the SONOACE 8000 Live is an exceptionally compact, powerful, versatile, reliable, and affordable diagnostic imaging solution for many of the applicable women's health care areas.

revolutionary imaging

CANCER SCREENING APPLICATIONS

Medison 3D imaging technology makes traditional hysterosalpingography obsolete. The basic 3D mode provides multiplanar viewing and simultaneous display of the coronal, sagittal, and transverse planes as well as a composite 3D rendering. This makes it possible to easily navigate through and analyze any dimension of the uterus or ovaries, allowing you to perform an accurate volume and shell measurements of suspicious growths. This same 3D visualization ability also provides exact measurement of nuchal translucency as it provides three different orthogonal planes at the same time.



Uterus in 3D hysterosalpingography

PRENATAL CARE APPLICATIONS

Medison 3D imaging technology brings a new level of care and confidence to the Ob/Gyn field. In pre-pregnancy exams, the basic 3D mode supports multiplanar visualization of the uterus, a technological breakthrough that provides a comprehensive overview of uterine health. In pregnancy check-ups, the Live 3DTM mode captures detailed 3D images of the fetus in motion that will enhance paternal bonding as well as clearly reveal any congenital anomalies.



Fetal face in Live 3D™ mode depicts the fetus motion in real-time

MORE ADVANCED 3D FUNCTIONS

- 3D XI™: Integration of 3D XI™ technologies, Medison is the very first and only ultrasound firm in the industry to develop and adapt CT and MRI-like imaging technologies into ultrasound systems.
- 3D probes deliver ultraprecise automatic scanning of the ROI to capture 3D volume data with superb accuracy.
- Live 3D™ mode adds the dimension of time to the standard 3D mode, capturing complete 3D volume data for the region of interest.
- Simultaneous multiplanar viewing provides CT-like visualization of the coronal plane.
- Choice of rendering modes (Surface, Max, Min, X-Ray) helps isolate bones, vessels, and tumors and other growths.
- VOCAL™ imaging mode automates the measurement of organ or growth volumes as well as shell area to accurately determine the degree of vascularization.
- 3D power Doppler mode overcomes 2D velocity and angle limitations while delivering the unique ability to analyze neo-vascularization of tumors.
- 3D SeeThru™ Mode provides 3D color vessel information on a 2D B-mode image for an anatomical frame for reference.



Our 3D technology adds a powerful new dimension to women's health imaging



While the SONOACE 8000 Live is designed to deliver exceptional imaging performance across the entire range of clinical diagnostic applications, its advanced real-time 3D imaging capabilities make it an ideal choice for physicians practicing in women's health care. Whether it's the tangible medical benefit of an accurate, high-resolution 3D dataset or the intangible emotional value of bonding as parents view real-time 3D images of their baby, Medison 3D imaging technology adds a new and very real dimension that will enhance the productivity and profitability of any practice.



- 01 Control interface is angled 15° to the right for more ergonomic access during exams.
- 02 Keys 1–6 provide instant access to functions listed on the context-sensitive menu bar across the bottom of the display.
- 03 Flexible keyboard light.
- 04 Instantly access the SonoView™ II image management application for image review, measurement, transfer, and archiving of all 2D and 3D scans. The optional SonoView™ Pro software brings this same functionality to any PC with network access to your SONOACE 8000 Live.
- 05 One-touch access to Live 3D™ and static volume 3D.
- 06 Print the image currently being viewed.
- 07 Save images locally or to a networked DICOM 3.0-compatible server. (Optional MO drive and CD read/write drive available)
- 08 Scroll through menu choices, then push to select.
- 09 Dedicated 3D probe holder
- 10 Full-size keyboard for faster, more accurate data entry.



efficient ergonomics

Allow you to easily customize to your needs.

The SONOACE 8000 Live control interface is ergonomically engineered to give operators quick and convenient access to all the powerful features of the Medison digital 3D ultrasound platform for maximum productivity and diagnostic accuracy. This attention to ergonomics also extends to the numerous storage and peripheral options, allowing you to easily customize the SONOACE 8000 Live to the unique needs of your growing practice.

ORGANIZED AND INTEGRATED NETWORK

Each SONOACE 8000 Live comes equipped with SonoView™ II, our integrated image management solution. In addition to full-featured 3D review and archiving capabilities, this DICOM 3.0-compliant system seamlessly networks with PACS systems as well as PCs running our optional SonoView™ Pro software, allowing you to easily create a robust ultrasound image sharing and management solution capable of remotely archiving, reviewing, and making 3D volume measurements from the next room—or the other side of the world. You can even e-mail 3D images to your patients, a feature that's sure to impress and delight expectant parents.



probe versatility



SUPERIOR IMAGING BEGINS WITH THE RIGHT PROBE

Choosing the right combination of probes for your practice is essential to getting the most out of your SONOACE 8000 Live. Each of the high-performance multi-frequency linear, convex, volume 3D, and phased-array probes have been optimized to deliver superior wideband imaging performance in their respective applications.



Fetal face in 3D



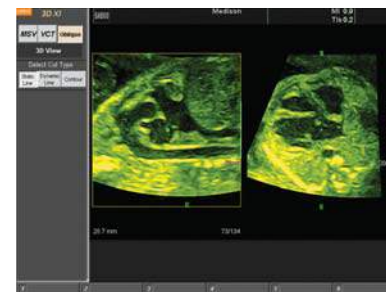
Circle of willis in power Doppler



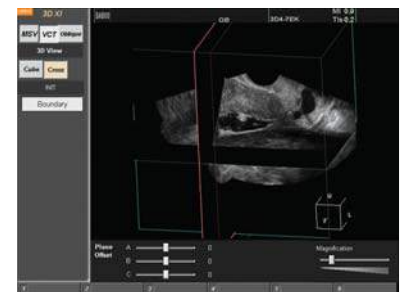
Fetal heart in 2D



Fetal abdomen in MSV



Fetal heart in Oblique View



Abnormal uterus in cross VolumeCT