Resona 7
Ultrasound System

New Capabilities and Transducers
Purchasable Options
• Sound Touch Elastography (Shear wave elastography)
• UWN+ Contrast Enhanced Ultrasound (CEUS)
• Volume CEUS for 3D imaging
• Smart Face - one touch 3D fetal face optimization
• Smart Pelvis - 2D/3D automated GYN measurements
• Smart Planes - automated fetal head and heart plane acquisition
• Physio (ECG and PCG)
• New transducers for shared service and pediatric applications

Sapphire Edition

The continuing evolution of ZONE Sonography® Technology (ZST+) provides a rich package of new diagnostic capabilities and enhancements

Mindray’s Living Technology increases clinical value and protects your investment with easily upgradable enhancements to keep your ultrasound system at state-of-the-art performance. Enabled by Zone Sonography Technology (ZST+), the Resona 7 Sapphire Edition release significantly broadens the scope of applications for general imaging, vascular, women’s imaging, and shared service applications.

Performance Enhancements
Covered under Living Technology
• Improved 3D Color image quality
• Optimized 3D/4D rendering algorithm
• Optimized HR Flow in abdomen, small parts, and peripheral blood vessels

Workflow Enhancements
Covered under Living Technology
• Smart Track - automated adjustment of PW sample line and volume
• iStation - archive review improvements
Resona 7 Sapphire Edition Features

**Sound Touch Elastography**

Sound Touch Elastography utilizes Mindray’s exclusive Ultra Wide Beam Tracking technology to provide comprehensive quantification metrics and dynamic visual display of tissue stiffness for enhanced diagnostic confidence.

**UWN+ Contrast Enhanced Ultrasound (CEUS)**

Mindray’s second generation UWN+ (Ultra-Wideband Non-Linear) CEUS imaging uses both harmonic and fundamental signals to improve contrast and temporal resolution during CEUS studies. Enabled by Zone Sonography Technology (ZST+), the system’s Advanced Acoustic Acquisition allows for longer duration of perfusion in tissue and organ assessment.

**Smart Planes CNS**

Smart Planes provides a robust and user friendly solution to automatically detect planes and calculate frequently used measurements of the central nervous system (CNS) in fetal brain examinations.