



ZS3

Ultrasound System

Diamond Edition

mindray

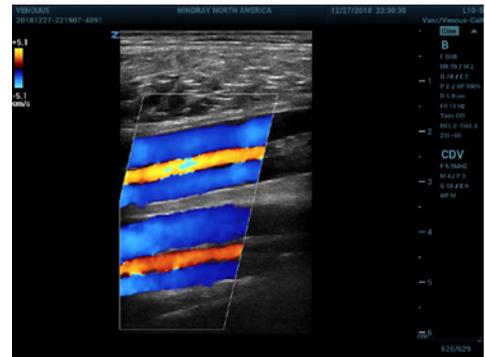
Discover Brilliance and Clarity

Mindray's Living Technology™ increases clinical value and protects your investment with easily upgradeable enhancements to keep your ultrasound system at state-of-the-art performance. Based on this core architecture, the Diamond Edition for the ZS3 ultrasound system leverages ZONE Sonography® Technology (ZST) to take image clarity to new heights, optimizes workflow with a new user interface design, and enables premium clinical solutions in a highly portable system.

Performance Enhancements

Enhanced system performance

- Optimized imaging parameters and presets across all transducers
- Improved boot up time by 20%
- Improved battery life



Calf Arteries and Veins

Workflow Enhancements

M-Secure

Mindray's multi-layered approach to cybersecurity ensures patient data protection by implementing the top standards for data encryption, access control, and malware protection.

New user interface for fast and efficient exams

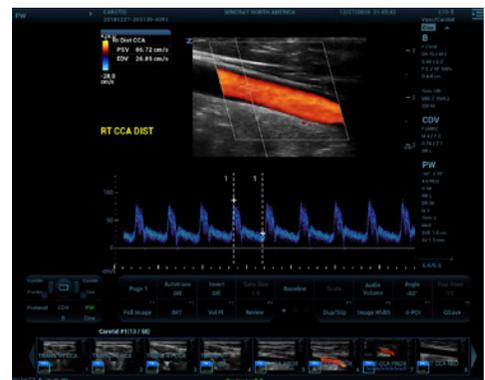
With intuition as our goal, the new user interface is designed to reduce keystrokes and improve exam efficiencies.

Total Recall Imaging™

Total Recall Imaging enables manipulation of raw acoustic data from the patient archive and provides a broad range of post-processing functions. This proprietary software is designed to eliminate the need for repeat scanning and increase patient throughput.

Z-Tracking™

Industry-first transducer tracking technology provides the ability to track transducers used during exams and attach to the patient's medical record.



Protocols

Protocols provide exam consistency and can reduce scanning times by up to 50%. This highly flexible and powerful feature is further enhanced with user-defined capabilities.

New Capabilities

ARFI Quantitative Elastography*

ARFI Quantitative Elastography is a non-invasive method of assessing liver tissue stiffness. Using real-time imaging as a guide, ARFI automatically calculates liver tissue stiffness values (AVG, MEAN, and IQR) for a predetermined region of interest. Multiple samples can be recorded and displayed in a report.

**Available on the C4-1 transducer*



ARFI - Quantitative Elastography

Cardiac Enhancements

Stress Echo

A comprehensive solution for pharmacological and exercise stress echo evaluation. The package includes a flexible reporting system that can be optimized for individualized needs.

Auto EF

Proprietary technology used to analyze 2D echo data to automatically calculate commonly used measurements (EDV/ESV/EF).

Contrast Enhanced Ultrasound (CEUS)

Mindray's unique approach to contrast imaging allows for clinicians to obtain the information needed with lower dose of the contrast agent. CEUS is now available on all imaging transducers (1-20MHz).

Contrast Imaging



Obstetrics Enhancements

Auto OB/NT reduces the number of key strokes by automatically measuring the required fetal biometry parameters (BPD, OFD, HC, AC, FL and NT) with a single click.

Vascular Enhancements

Auto IMT automatically calculates and displays intimal-medial thickness measurements for accurate assessment and management of cardiovascular disease.

New Transducers for Expanding Clinical Performance



Liver/Portal Vein Flow | C6-1 Curved Array



Thyroid with Nodule | C18-5 Curved Array

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