mindray
NORTH AMERICA

Z.One PRO

Ultrasound System

Emerald Edition 2.0

Performance. Portability. Precision.

Brilliant performance in point of care ultrasound enabled by Living Technology™

Clinicians today are faced with rapidly evolving clinical environments that demand the use of cutting-edge technology to aid in the rapid assessment of critically ill patients. At its core, Mindray is dedicated to bringing clinicians accessible, best-in-class technologies that enhance clinical workflow and help elevate patient outcomes. We understand these challenges and want to bring high-quality healthcare within reach to you and the patients you serve.

The Z.One PRO Ultrasound System Emerald Edition 2.0 is the ideal solution for demanding clinical environments. Equipped with patented, software-based ZONE Sonography® Technology+ (ZST+), the Z.One PRO System provides premium image quality from superficial structures to deep and difficult-to-image anatomy. Optimal B-mode and Doppler imaging help ensure a reliable diagnosis, regardless of patient body habitus. With a full family of transducers (from 1 – 20 MHz) and a wide range of applications, the Z.One PRO System is the imaging answer to your difficult clinical cases.

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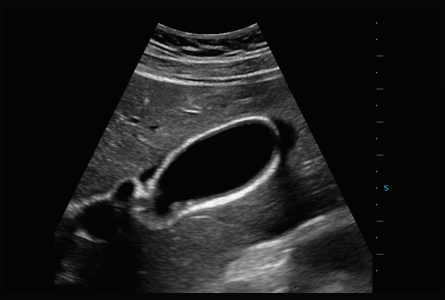
Pioneer in Innovation

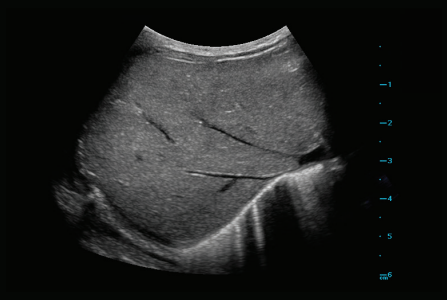
The industry's first virtual beamforming architecture and the original source of Living Technology, ZST+ is a revolutionary, software-driven approach to acoustic data acquisition and image formation that breaks the barriers of conventional ultrasound imaging.

Using a variable number of large imaging "ZONES", ZST+ is capable of utilizing up to 90% of the acoustic dataset at speeds 10 times faster than conventional beamforming. This expanded acoustic data set is retained and processed by patented high-speed digital processing techniques and software algorithms that are radically different from hardware-based imaging methods.

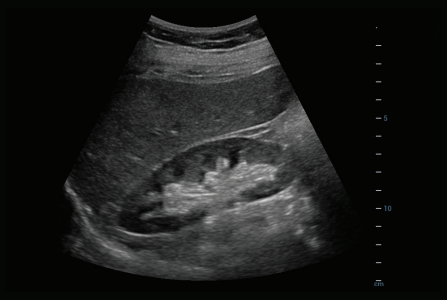
Abdominal



Gallbladder

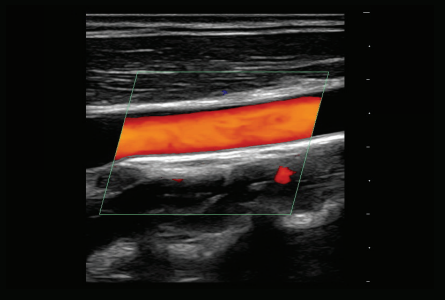


Liver

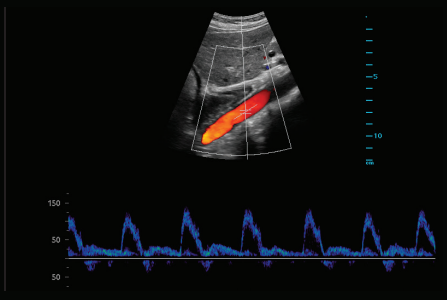


Morison's Pouch

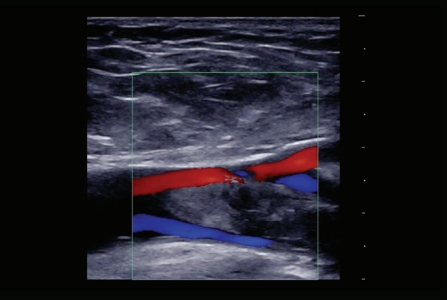
Vascular



Carotid

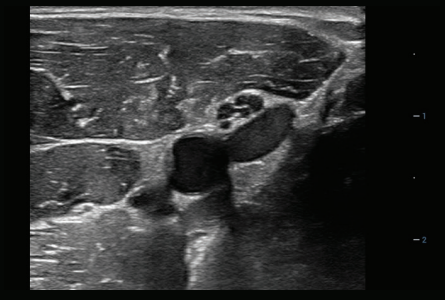


Aorta

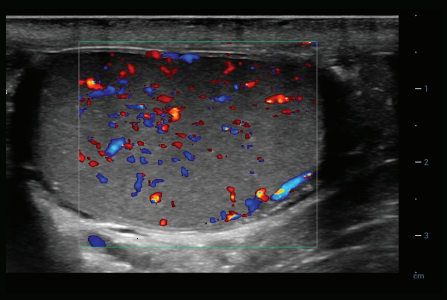


Femoral Vein

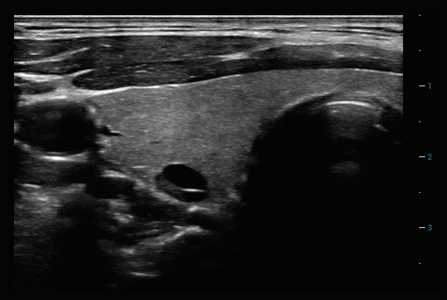
Superficial



Nerve



Testicle



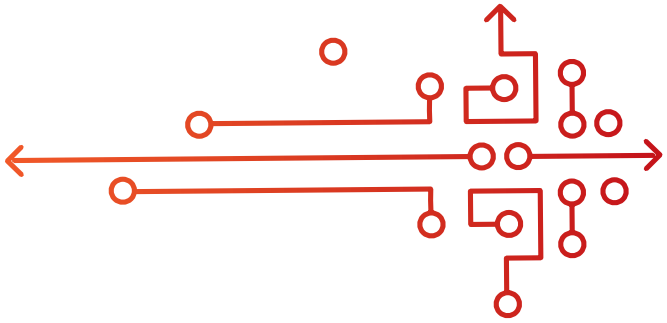
Thyroid

Capable Design

The Z.One PRO System was designed to exceed the demands of busy healthcare professionals. By providing a thoughtful industrial design and an intuitive, customizable user interface, the System is designed to reduce keystrokes and improve exam efficiencies. An ergonomic and lightweight design, coupled with an on-board battery, enables clinicians to make rapid diagnoses anywhere in the department.

1. 17" display with full-screen capability
2. Large sized wheels for ease of transport
3. Quick boot-up time and increased battery performance
4. Simplified UI for efficient system operation
5. Programmable keys for custom setup
6. One-touch optimization for B-Mode, Color, Pulse Wave

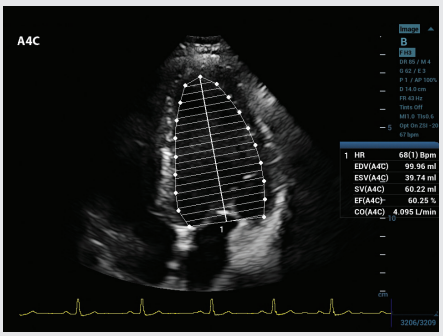
Improved Workflow



Obstetrics Enhancements

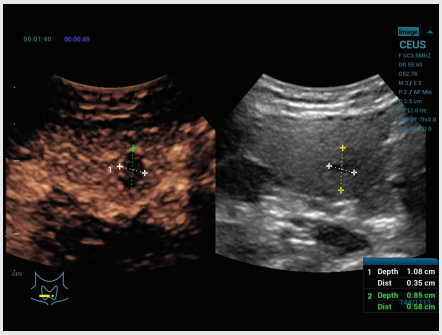
Auto OB/NT reduces the number of key strokes by automatically measuring the required fetal biometry parameters (BPD, OFD, HC, AC, FL and NT) with a single click.

Clinical Clarity Within Reach



Auto EF

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



Contrast Enhanced Ultrasound (CEUS)

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).

Protocols

Feature comes standard and provides exam consistency, reducing scanning times by up to 50%. This highly flexible and powerful feature is further enhanced with user-defined capabilities.

eXtraordinary Value

Z-Tracking™

Z-Tracking, an industry-first transducer tracking technology, offers the ability to document which transducers are used during an exam and attach them to the patient's medical record. This tool will assist you and your teams in complying with infection control standards.

M-Secure

Mindray Ultrasound Systems come with a robust suite of cybersecurity features keeping you focused on what matters most; elevating patient outcomes. At Mindray, we believe that a multi-layered approach is the best practice in keeping your patient information confidential. Mindray's M-Secure uses a strategic approach to secure patient data, implementing the top standards for data encryption, access control, and malware protection.

Living Technology

Living Technology is a continually evolving software-based approach to providing our customers with easily upgradeable enhancements made possible by our core imaging technologies. These upgrades secure product investment protection by ensuring that Mindray Ultrasound Systems remain at the cutting-edge of imaging performance excellence throughout their entire life cycle.

Standard five year warranty* includes:

- Replacement parts (normal wear and failure), including cart, scan module, and standard transducers
- On-site labor for cart-related repairs
- Ongoing state-of-the-art ultrasound performance with software updates**

* Standard five year warranty is available for systems purchased directly from Mindray North America. Warranties for systems purchased from Mindray authorized agents can vary.

** Upgrades, such as new application packages and hardware, are optional purchases.

Mindray North America

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healthcare within reach