TE7
Ultrasound System

Crystal Series

mindray
**Xtreme Performance and Precision**

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. The Crystal Series for the TE7 ultrasound system elevates the system’s performance from routine point-of-care exams to extreme situations when every second counts. With best-in-class image quality, new transducer technology, and needle visualization advancements, the TE7 Crystal Series is the system of choice for precise and confident decisions at the point-of-care.

**Performance Enhancements**

**iNeedle™**
Second generation iNeedle™ technology automatically detects needle angle and improves visibility on both linear and convex transducers during interventional procedures.

**Workflow Enhancements**

**iWorks™ Protocols**
New Emergency Medicine protocols for abdomen, vascular and 38 other exams helps to standardize and reduce exam times.

**iVocal Voice Control**
Based on artificial intelligence voice recognition technology, second generation iVocal allows for a hands-free scanning experience, ideal for sterile environments.

**Z-Tracking™**
Industry-first transducer tracking technology provides the ability to track transducers used during exams and attach to the patient’s medical record.

**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 Capabilities

**eSpacial Navi™** *

4D magnetic needle navigation technology delivers enhanced needle visualization and location during in-plane or out-of-plane procedures.

With eSpacial Navi, the needle tip and trajectory are visualized, allowing for improved physician confidence and patient safety during interventional procedures.

* Compatible with L11-3VN transducer

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

Second generation, ultra-wideband non-linear (UWN+) CEUS imaging uses both harmonic and fundamental signals to improve contrast and temporal resolution during CEUS studies.

**Auto EF**

Proprietary technology used to analyze 2D echo data to automatically recognize diastole/systole frames and calculate EDV/ ESV/EF

**Designed for Durability and Disinfection**

- **Refined label and screen design** reduces the impact of continuous chemical disinfectants use
- **Seamless touch screen** prevents residue buildup from cleaning and disinfection
- **Screen auto lock** disables function during screen cleaning and disinfection
- **Screwless design** eliminates exposed metal prone to rust and corrosion from disinfectants
- **Elevated transducer holders** for improved infection control and ideal cable management
- **Removable dust filter** for fast and easy cleaning
- **Accessory management rack** provides ample storage for cleaning and disinfection supplies
- **Retractable power cord** for efficient access and storage
New Transducers for Expanding Clinical Performance

Liver with Portal Vein | C5-1s Curved Array

Calf Veins and Artery | L12-3RCs Linear Array
with 3 programmable buttons

Cardiac Imaging | C4-1s Curved Array

Sciatic Nerve in Popliteal Space | L11-3VN Linear Array

Cardiac TDI | SP5-1s Phased Array

Deep Popliteal Artery | L9-3s Linear Array

Mindray North America
800 MacArthur Blvd., Mahwah, NJ 07430
Tel: 800.288.2121  Support: 877.913.9663  Fax: 800.926.4275  www.mindray.com

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