



# TE7

## Ultrasound System

Crystal Series

**mindray**

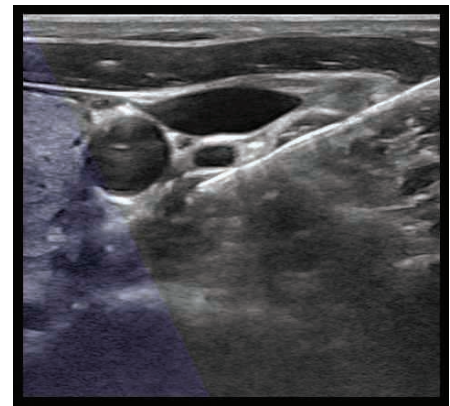
# Xtreme Performance and Precision

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



iNeedle+™

## 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

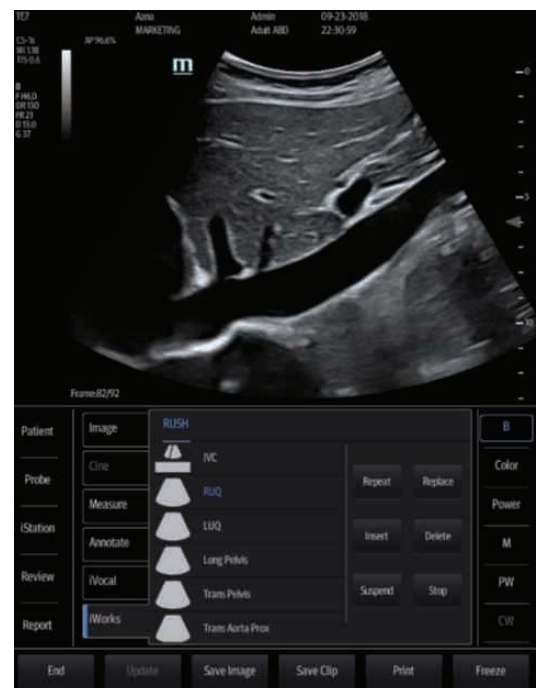
Based on artificial intelligence voice recognition technology, second generation iVocal allows for a hands-free scanning experience, ideal for sterile environments

### 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



iWorks™ Protocols

# 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 L11-3VNs transducer*



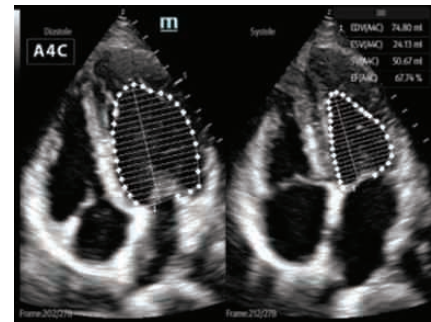
eSpacial Navi™

## 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



Auto 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

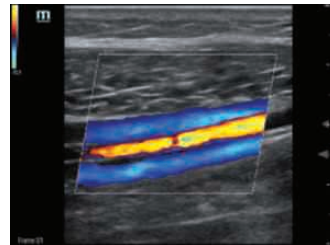
Accessory management rack provides ample storage for cleaning and disinfection supplies

Retractable power cord for efficient access and storage

# New Transducers for Expanding Clinical Performance



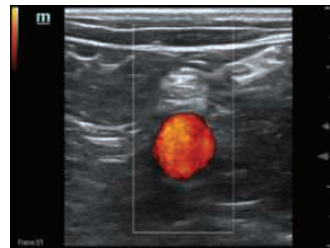
Liver with Portal Vein | C5-1s Curved Array



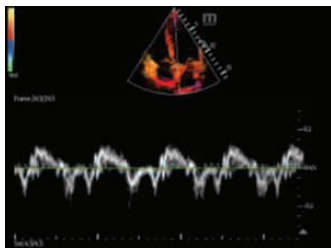
Calf Veins and Artery | L12-3RCs Linear Array  
with 3 programmable buttons



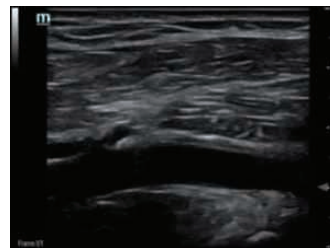
Cardiac Imaging | C4-1s Curved Array



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



Cardiac TDI | SP5-1s Phased Array



Deep Popliteal Artery | L9-3s Linear Array

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