

# TE7

## Ultrasound System

### Crystal Series

**Image quality is key to patient diagnosis and treatment for your critically-ill patients**

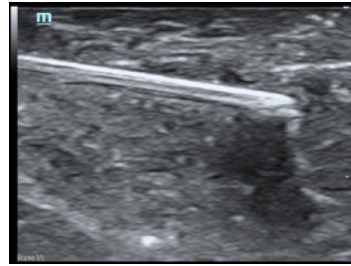
Mindray's Living Technology increases clinical value and protects your investment with easily upgradeable enhancements to keep your ultrasound system at state-of-the-art performance. The TE7 Crystal Series is the first of many updates which significantly elevates the platform's imaging and workflow performance for quick and confident decisions for your point-of-care environments.



### Performance Enhancement

*Covered under Living Technology*

New needle visualization exam mode added to L14-6Ns for enhanced needle visualization



### Workflow Enhancement

*Covered under Living Technology*

Mindray's new iVocal technology gives the clinician hands-free voice control of the TE7 system's operation

### Purchasable Accessory

The SAMSON Stage PxD1 with lavalier microphone and wireless USB receiver has been validated with iVocal technology



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# TE7 Crystal Series Features

## New Transducer

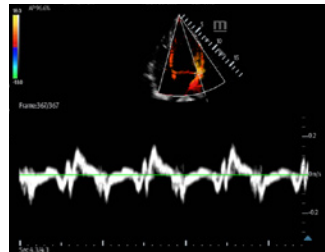
Purchasable Option

## SP5-1s

Single crystal phased array transducer for adult cardiac and abdominal imaging



Four chamber view



Tissue Doppler imaging (TDI)



Liver kidney interface



Parasternal long axis view

## Single Crystal Transducer Technology

Using advanced piezoelectric ceramic materials, single crystal transducers provide a number of imaging advantages

- Improved acoustic/electrical (piezoelectric) energy conversion which results in better penetration and higher sensitivity
- Wider bandwidth which results in better penetration, improved spatial resolution, and more versatile applications

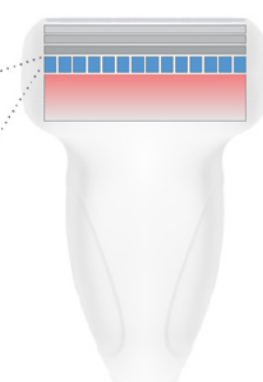
### Imaging results include:

- Better signal-to-noise ratio
- Use of higher frequencies to image deeper structures
- Easier and faster acquisition of images across all body types
- Image clarity across all body types

### Traditional Crystal



### Using Single Crystal Tech



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