**mindray**
animal care

**Vetus 50**
Veterinary Diagnostic Ultrasound System

# Reliable image, continuous growth

**mindray**
animal care

# Enjoy the Incredible Images

### ZST$^+$ Platform

The ZST$^+$ platform is an extraordinary innovation, representing an ultrasound evolution. Transforming ultrasound metrics from conventional beam-forming to channel data based processing. It delivers exceptional image quality for infinite imaging solutions with non-stop improvements.

### ComboWave transducer with 3T technology

Compared with traditional transducers, ComboWave transducers utilize a new type of composite piezoelectric material to dramatically optimize the acoustic spectrum and reduce acoustic impedance.
Further integrated with Mindray Animal Medical's unique 3T technology, the ComboWave transducers allow you to experience outstanding performance with extreme image resolution and uniformity.

# Vetus 50

Mindray Animal Medical's amazing new practical veterinary ultrasound Vetus 50 provides an excellent experience for all veterinary specialists.

Equipped with Mindray Animal Medical's next-generation ultrasound platform ZST$^+$ and ComboWave transducer with 3T technology, Vetus 50 offers accurate performance for scanning of different animals. Additionally, the system is rich in built-in learning tools that supports more convenient and efficient learning for veterinary specialists.

**Traditional crystal**

**Composite crystal**

- Lens
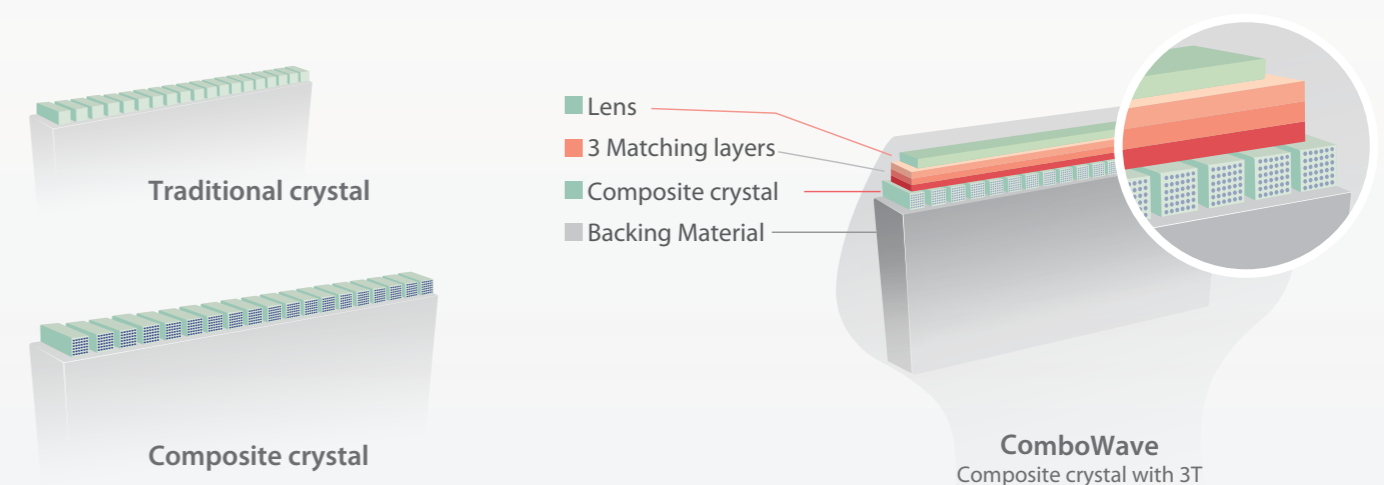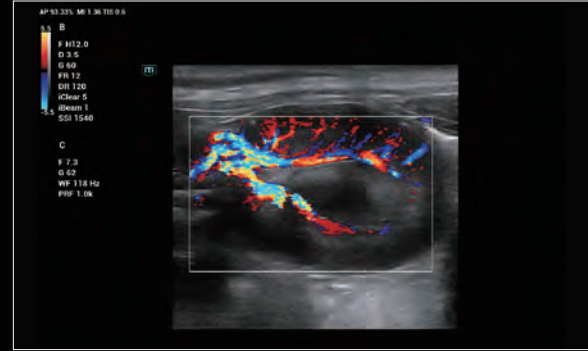- 3 Matching layers
- Composite crystal
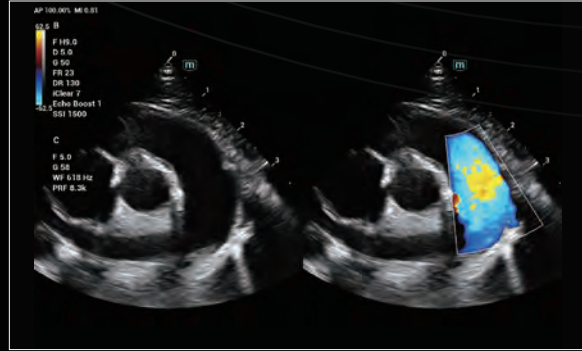- Backing Material

**ComboWave**
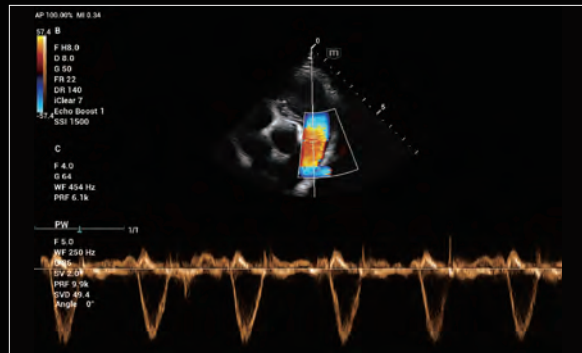Composite crystal with 3T
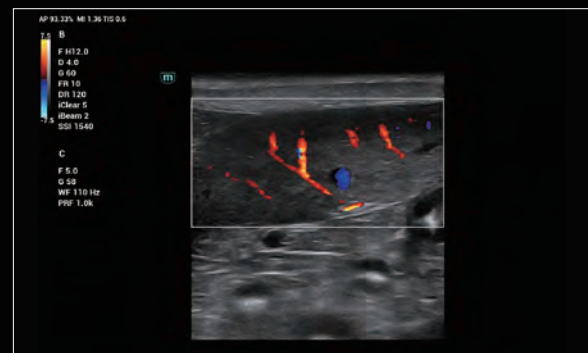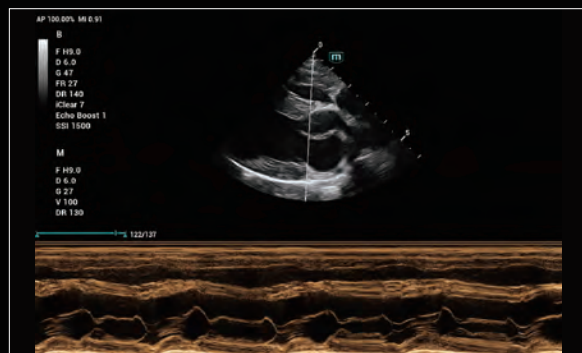
# Image Gallery

Canine Kidney Vessel

Feline Pulmonary Artery

Canine Heart

Canine Pulmonary Artery (PW)

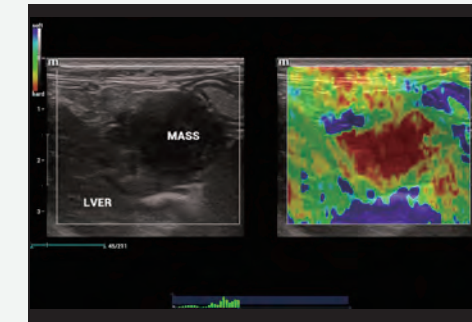Canine Spleen Vessel

Canine Heart (M)

Canine Liver

Canine Spleen and Intestine

# Enjoy the Professional Functions

## Natural Touch Elastography

Mindray Animal Medical's patented Natural Touch Elastography technology provides an accurate and reproducible assessment of soft tissues' elastic properties and stiffness.

## Tissue Doppler Imaging

Vetus 50 supports four TDI imaging modes, including TVI, TVM, TVD, and TEI. These technologies provide multiple ways for assessing cardiac myocardial motion.
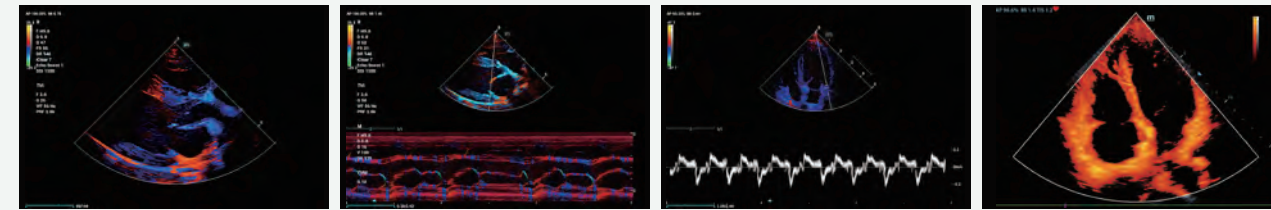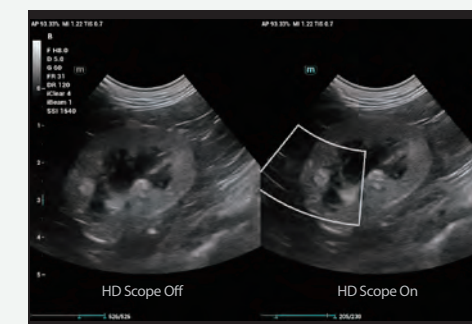
TVI          TVM          TVD          TEI

## HD Scope

By processing channel data collected by the ZST⁺ platform, HD Scope can improve the detail information and image contrast on specific area.

HD Scope Off          HD Scope On

## Smart Calc

With the touch of one key, you can encircle the boundary of the lesion and acquire an accurate measurement.
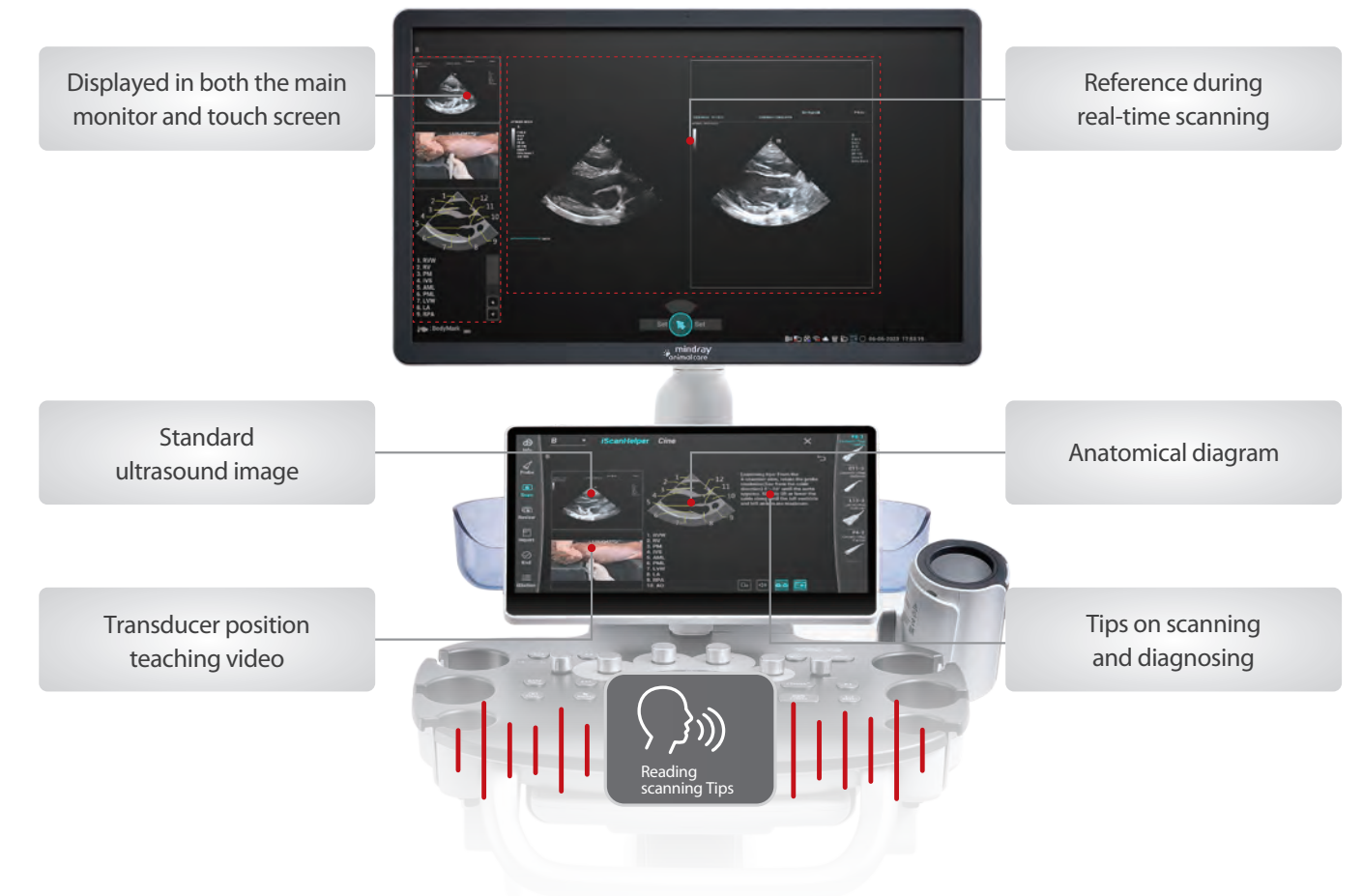
# Enjoy the Comprehensive Learning Tools

Vetus 50 has a series of learning tools to help veterinarians shorten the learning curve , and quickly master ultrasound scanning skills.

iMeasure
Scanning Measure Tips

iWorks
Scanning Standardization

iScanHelper
Scanning Tutor
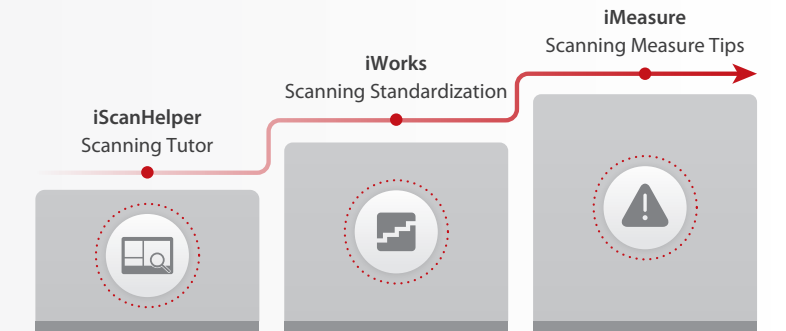
## iScanHelper

iScanHelper is a convenient built-in tutorial for both beginner and experienced professionals, providing 100+ comprehensive standard ultrasound images, transducer position teaching videos, and anatomical diagrams.

Displayed in both the main monitor and touch screen

Reference during real-time scanning

Standard ultrasound image

Anatomical diagram

Transducer position teaching video

Tips on scanning and diagnosing

Reading scanning Tips

## iWorks

Standardized protocols support a proficient and consistent scan for each clinical application. This tool will guide the professional through each view, acquiring a still image or digital clip, automatically placing the annotations or body marks and even bringing up calipers for measurements when needed.

1. Scan a section according to tips
2. Automatically set up imaging modes
3. Automatically insert annotation and body mark
4. Automatically activate measurements
5. Automatically go to the next section
6. Finish the exam
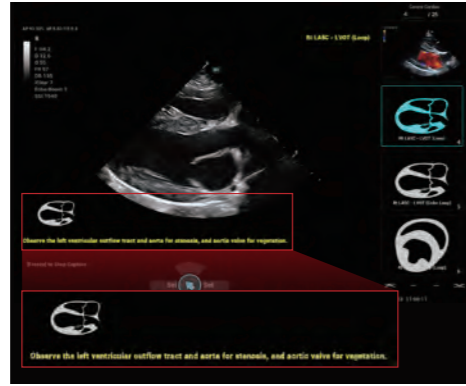
## iMeasure

iMeasure suggests potential or suspected clinical conditions immediately on the screen if the resulting values are out of the predefined range.
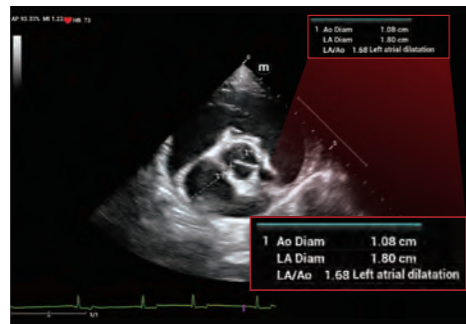
# Enjoy the Innovative Designs

## iLight

Ultrasound scanning rooms are usually dark, but veterinary professionals occasionally need some light for reading or positioning of the animal. iLight can provide the appropriate brightness to complete procedures safely and conveniently.

## Easy to move

Vetus 50 offers great flexibility, whether you prefer to stand, sit, or scan cage side, moving the system for easy access is seamless.

**21.5' Screen**
Eye-care UI design

**13.3' Touch Sceen**
Angle adjustable,
gesture control

**Anti-splash control panel**
Easy to clean
and sterilize

**Large storage space**
Better organization
of accessories

**26 dB low noise**
As quiet as the bedroom