# Vetus 9

Veterinary Diagnostic Ultrasound System

## Premium care for animal

Powered by ZST+

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P/N:ENG-Vetus 9-210285X16P-20220526

# Outstanding

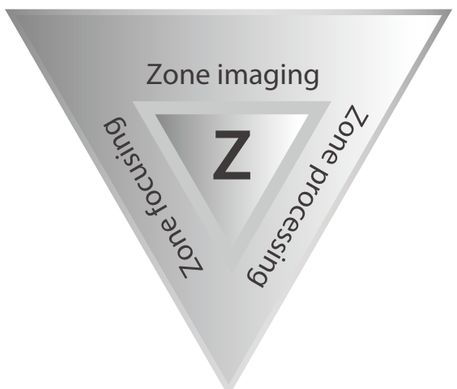
At present, an increasing number of challenging cases and heavy workloads are driving veterinarians to explore advanced methods to make their clinical practice more confident and productive.

To meet the diverse demands of veterinary practice, a revolutionary high-end ultrasound system is introduced—Vetus 9. Powered by ZST$^{+}$ platform, Vetus 9 brings the ultrasound imaging performance for animals to the next level and delivers excellent solutions in dedicated applications with extreme clarity images, superb diagnostic tools, and efficient workflow.

Similar to the inherent fast and sharp spirit of the jaguar, Vetus 9 is motivated by high-speed, real-time imaging, and multilevel focusing technology, that can assist operators (researchers) to deal with all clinical (application) scenarios with ease.

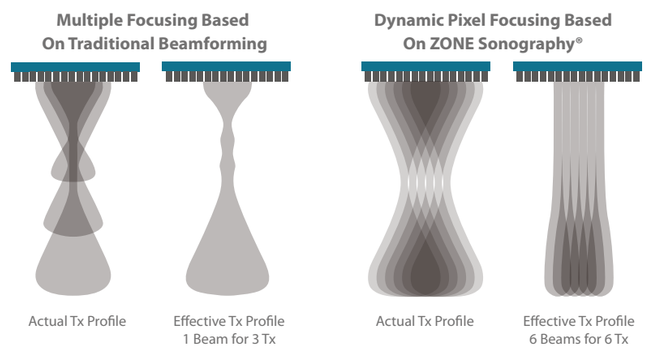
# Powerful ZST+ platform

The ZST+ platform is an extraordinary innovation, representing an ultrasound evolution. Transforming ultrasound metrics from conventional beam-forming to channel data based processing. It overcomes the traditional trade-off limitation among spatial resolution, temporal resolution and tissue uniformity, delivering exceptional image quality for infinite imaging solutions with non-stop improvements.




# Zone Focusing

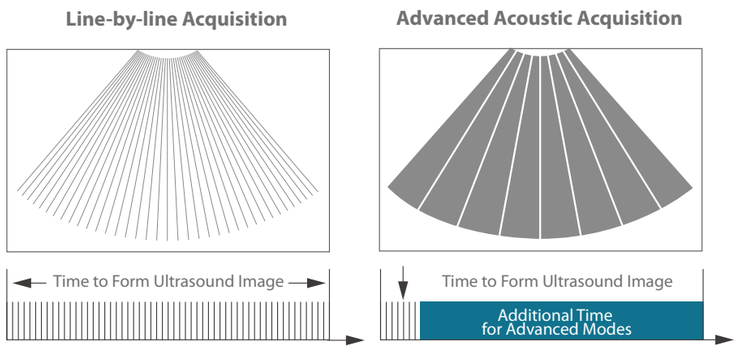
The body shape of different animals is very different ,so the focus position is different for animal ultrasound images.The ZST+platform can realize Zone focusing, and the images from shallow skin to deep organ are in the focus state so as to reduce the risk of missed.




**Dynamic Pixel Focusing**

# Zone Imaging

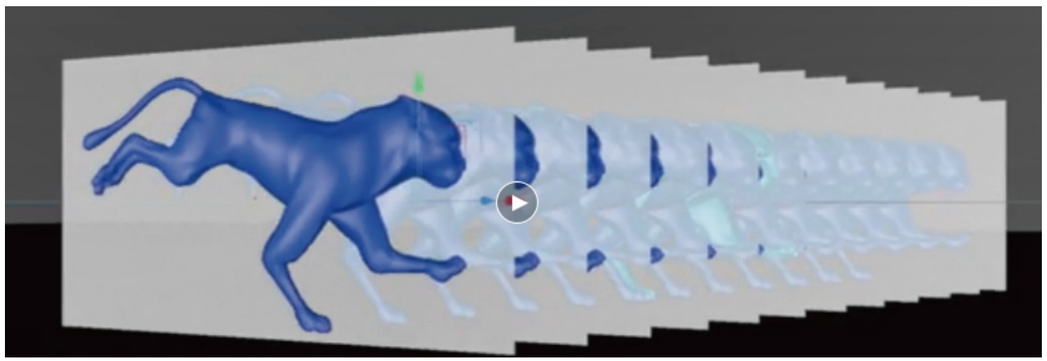
Animals' heart beat faster than the human, and have high requirements for ultrasonic image to capture.Unlike traditional ultrasound, ZST+ technology can transmit and receive a relatively smaller number of larger zones, so as to capture real-time images of animal heart and blood flow.




**Zone Sonography®**

# Zone Processing

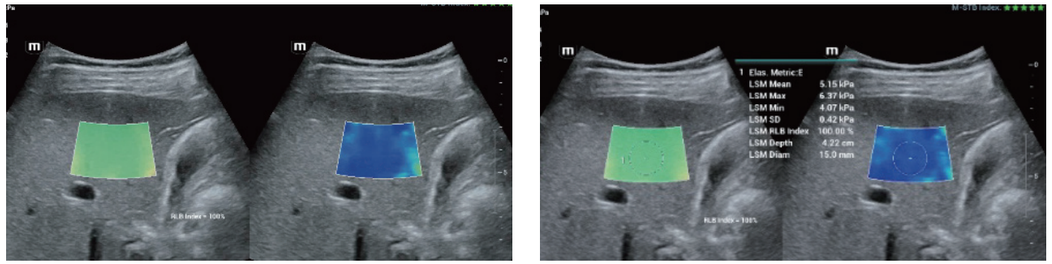
ZST+ captures and stores the complete acoustic raw data set. Zone processing allows the system to do retrospective processing on channel data and also permits users to modify numerous imaging parameters on stored images to maximize clinical output.



# Focus on diagnose
# ABD Solution

## Innovative stiffness assessment---HiFR STE

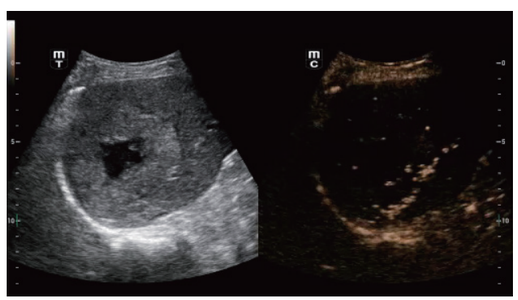
Thanks to the ZST+ platform, the HiFR STE (High Frame Rate Sound Touch Elastography) enables up to 10 times faster STE frame rate than before with smooth and consistent shear wave imaging display. It provides more sensitive motion detection for better stability and more accuracy. The motion stability index and reliability map further enhance shear wave quality control for more reliable tissue stiffness assessment.

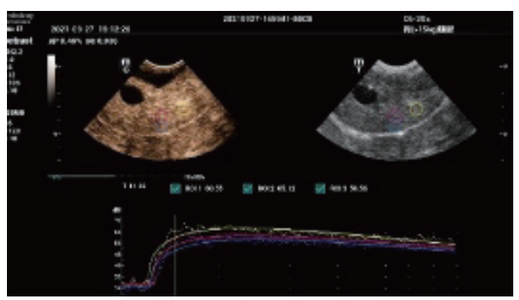





## Focal lesion diagnosis with perfusion ---UWN+ Contrast Imaging

It detects and utilizes both the 2nd harmonic and non-linear fundamental signals, generating significantly enhanced images, resulting in greater sensitivity of minor signals and longer agent duration with lower MI. The Micro Flow Enhancement mode provides even better visualization of tiny vessel perfusion.

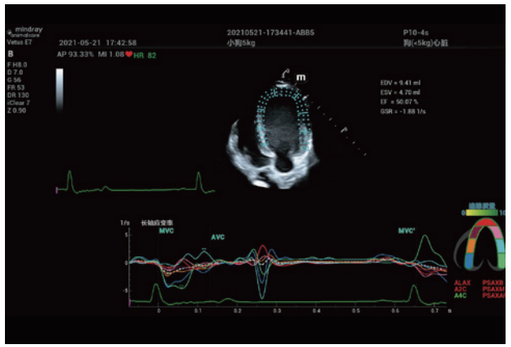




# Cardiology Solution

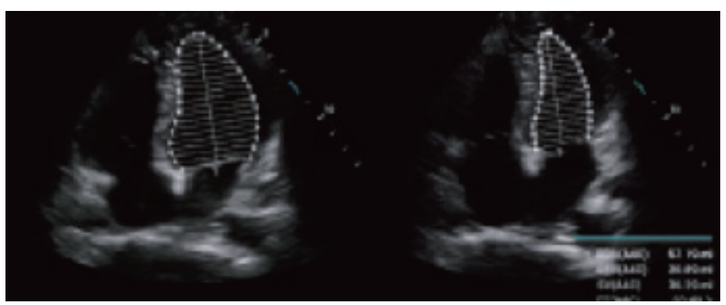
## Angle-independent myocardial movement evaluation ---TT QA

TT QA tracks the myocardial motion by detection of 2D speckle patterns, and provides angle–independent and precise evaluation of myocardial movement.



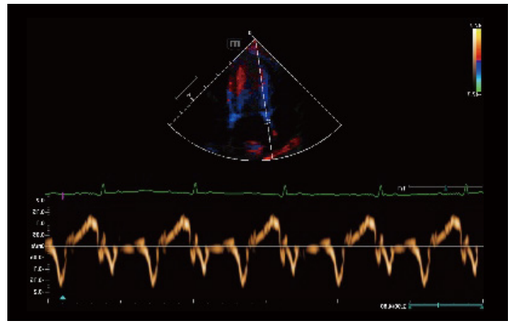
## Easy measurements of cardiac function--- Auto EF

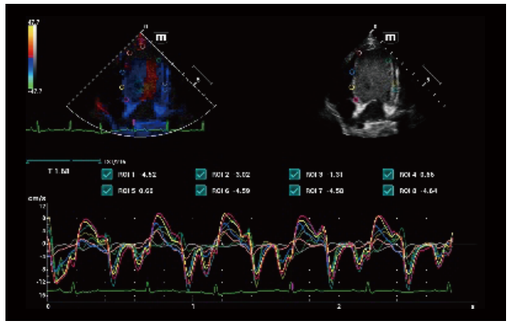
Auto EF is a smart way to analyze 2D echo clips to auto recognize diastolic & systolic frames and output a series of measurements to evaluate left ventricle function.



## Quantitative analysis of myocardial movement and synchronization --- TDI QA

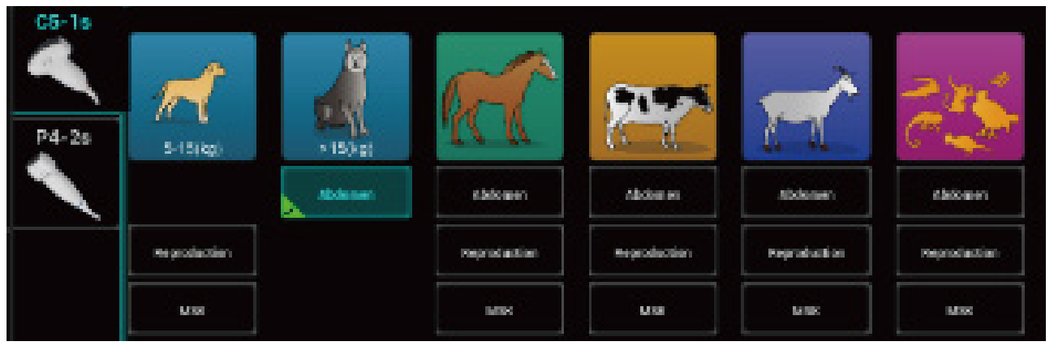
TDI QA supports complete TDI imaging modes,including TVI、TEI、TVD、TVM ,and provides myocardial synchronization evaluation with max 8 ROI.





## Tranducer Solution

Vetus 9 supports multiple transducers with presets designed to match animals of all sizes in varied clinical applications. By combining transducers with presets, operators (researchers) can efficiently obtain high-definition images with no extra adjustments.




### Abdomen & Reproduction

**C11-3S** Micro convex array transducer

- Bandwidth: 2.6-12.8MHz
- FOV (max): 100°

### Cardiology

**P8-2s** Mid/high-frequency phased array transducer

- Bandwidth: 2.3-7.2MHz
- FOV (max): 90°

**P10-4s** Mid/high-frequency phased array transducer

- Bandwidth: 3.0-11.4MHz
- FOV (max): 90°

**SP5-1s** Single crystal phased array transducer

- Bandwidth:1.5-4.5MHz
- FOV (max): 90°

### Superficial & Musculoskeletal

**L13-3Ns** High-frquency linear array transducer

- Bandwidth:1.5-4.5MHz
- FOV (max): 90°

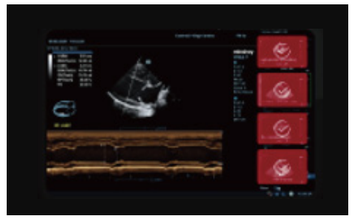
### Abdomen &Convex array transducer

**SC6-1s** Convex array transducer

- Bandwidth:1.0-6.0MHz
- FOV (max): 60°

# Speed up your scanning

Smart patient information input, automatically create patient ID

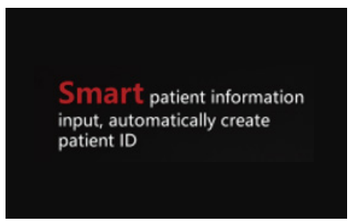


Expert around you, provide scanning reference image and demonstrating guide

Indicate potential or suspected clinical conditions immediately


iReport provides a customizable report Template, with a large number of commons

**iStation** | **iWorks** | **iScanhelper** | **iVocal** | **iMeasure** | **iStorage** | **iReport**




Standardize and simplify the workflow, Reduce 50% exam time and 80% keystrokes

Remotely control the system by voice commands, free your hands from the operation,

Patient information center, can export and import the data at Ease

# Superb user experience

## iConsole--intelligent control panel

The intelligent and clinical exam-specific control panel layout is a breakthrough innovation designed to optimally adapt to different clinical scenarios, such as ABD, CAR, SMP,MSK and so on. Based on six special E-ink keys with digital screens, iConsole can adaptively adjust the layout and key functions during exam changing. User-define is available for personalized settings and the digital display on E-ink keys will not disappear even during power off.


## Runing smoothly and securely

- support Windows 10
- boot-up≤30 seconds
- Dual hard disk design

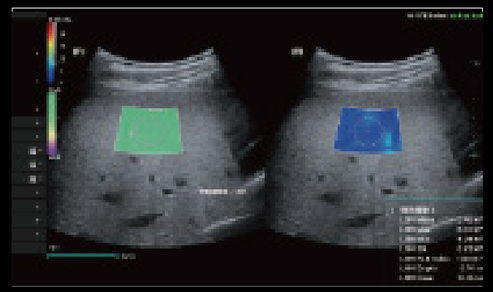
## Super-silent design

- 26dB super-silent design as quiet as a bedroom
- More comfort without disturbance

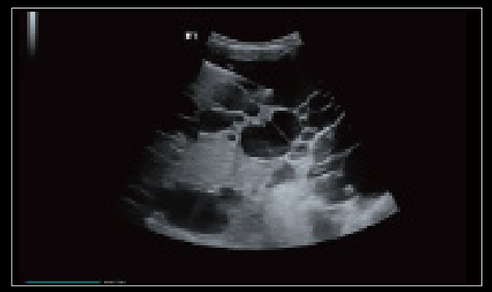
## Just fold it up and go

- Minimum 1 meter height easy transportation of mobile service
- Adjust in full-space and lock at any scanning position

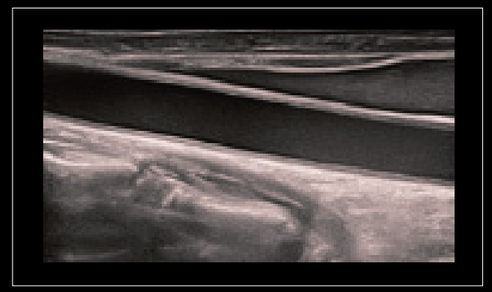
# High quality image management



Fetal face 3D



Ovarian tumor



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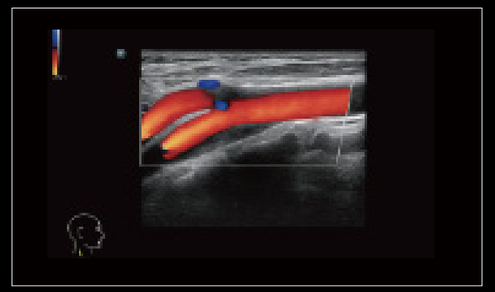
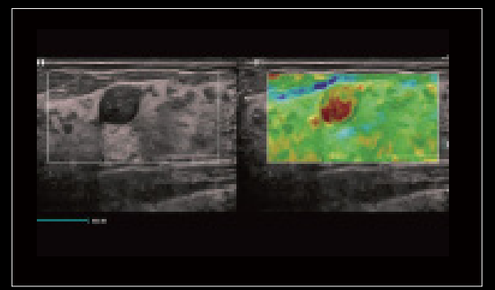


Ovarian tumor

Follicle 3D

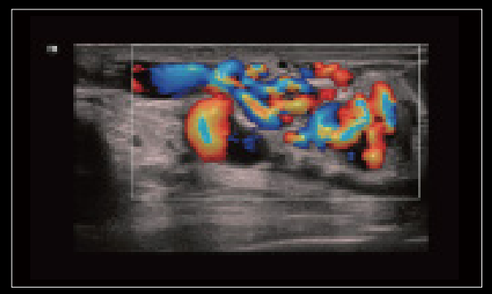
Smart Pelvic

Follicle 3D

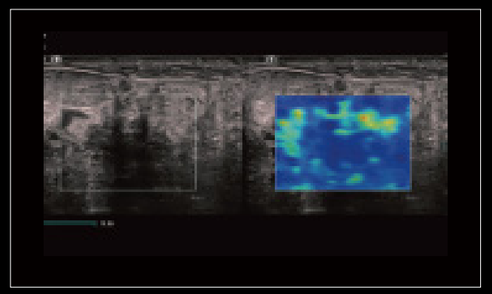


Smart Pelvic

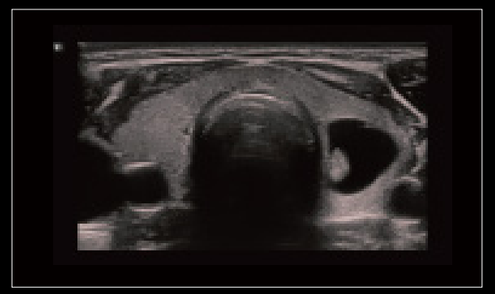
Corpus callosum and cerebellar vermis



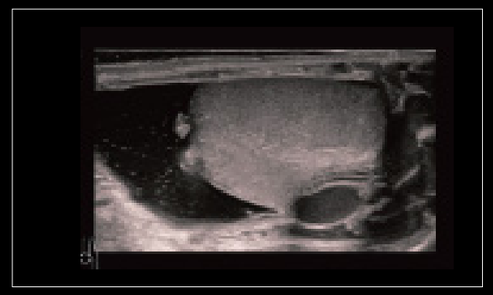
Fetal brain malformation



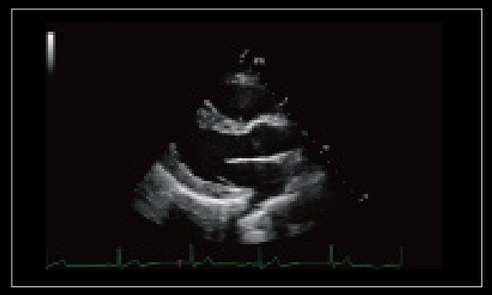
Corpus callosum and cerebellar vermis



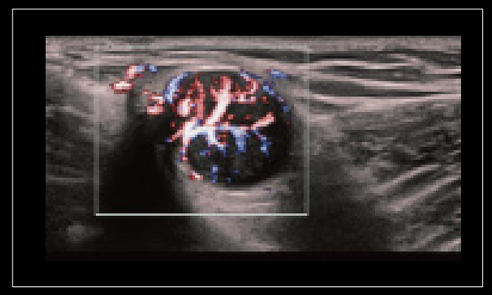
Fetal brain malformation



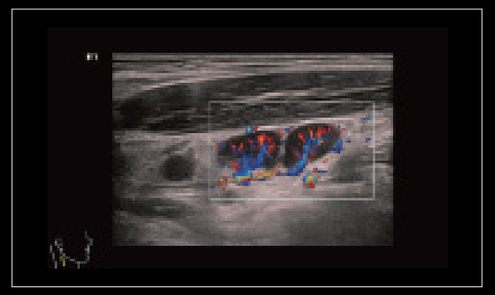
Fetal heart



Fetal face



Fetal heart



Fetal face