



**Medicatech VET<sup>®</sup>**  
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# V75

## Veterinary Digital Color Doppler Ultrasound Imaging System



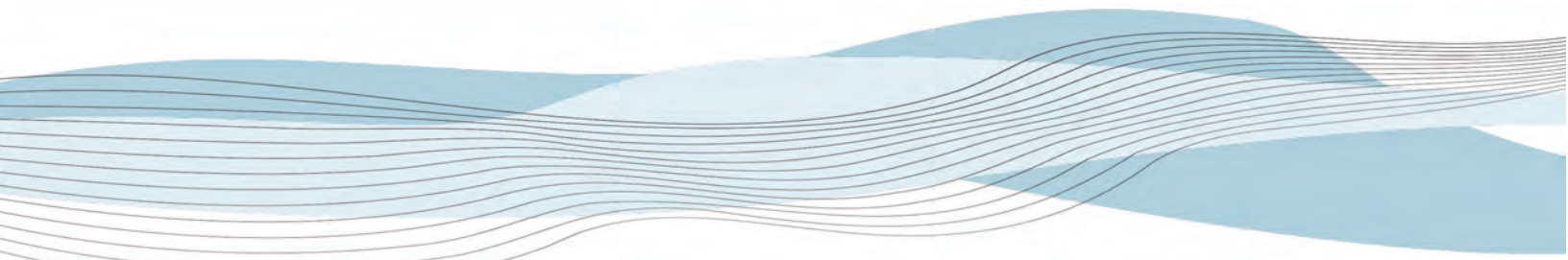


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V75 is a mid-high-end trolley-type veterinary ultrasound system that offers outstanding image quality and high working efficiency.

It is designed to deliver fast and accurate diagnostics on multiple species, ranging from companion animals, exotic pets, equine, and farm animals. Adopting the most advanced imaging platform –Realview+, V75 improves your diagnostic experience with cardiac, abdomen, superficial, reproduction, and many more.





## Stunning image quality with detailed information

Realview+ incorporates key image processing technologies that generate stunning image quality at a faster response rate and processing speed, enhancing your diagnostic capabilities on routine exams as well as sophisticated cases.



**Pixel Echo Zone** automatically calculates echo information for each pixel area to achieve a higher frame rate and ensure focus accuracy and consistency, ultimately improving overall image uniformity.



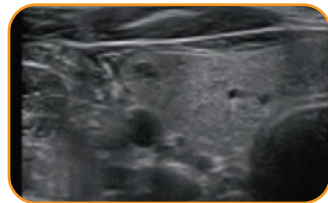
**Pixel Echo Zone Off**



**Pixel Echo Zone On**



**Tailored Filter** enhances valid signal and suppressing invalid signals to increase S/N ratio for a better image contrast.



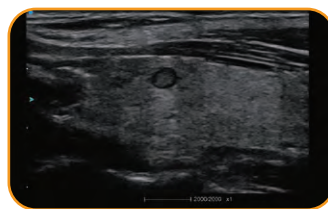
**Tailored Filter Off**



**Tailored Filter On**



**X-Beam 3.0** multiplies, receives and processes scanning lines of images from each element that improve image resolution and reduce tissue shadows.



**X-Beam 3.0 Off**



**X-Beam 3.0 On**



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## Smooth workflow experience with ergonomic design

23" LCD rotatable monitor  
reduces eyestrain



13.3" touch screen  
enables fast operation



Multifunctional button  
improves operation efficiency



Neat console design with  
22 buttons that enhances  
the manipulation  
experience



5 active universal  
probe connectors

Stable wheels with  
small footprint



Navigation Bar for  
operation guidance



Abundant measurement  
packages for quick  
examination



Pinned Worksheet for  
multiple measurements  
preview



S-view for image and  
cine comparison



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Based on the enriched image quality and seamless workflow, V75 enhances diverse exam capabilities with full package tools across different applications

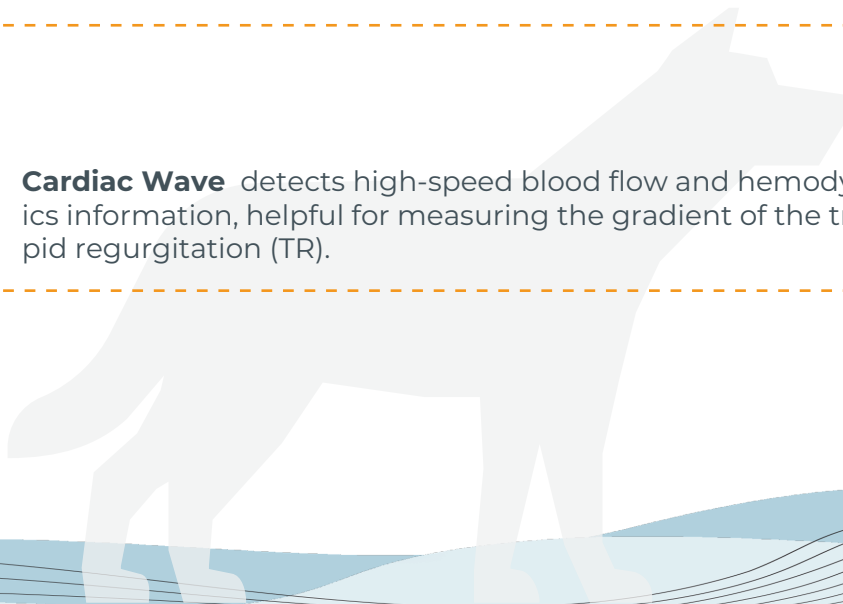
## + Cardiology

➞ **Anatomic Motion Mode** Unlike traditional Motion Mode (M-mode) that only allows a single line, AMM collects data with up to 5 sampling lines at one time to implement detailed assessment on wall motion. It greatly improves the reproducibility and accuracy of left ventricular measurement.

➞ **Color Mode** combines Color Doppler and M-mode to accurately display the two-dimension and time relationship between high velocity flow, reflux, jet, valve and heart wall to better evaluate diastolic function.

➞ **Tissue Doppler Imaging** captures the movement of the myocardium, with red and blue representing the different direction of wall movement. Combining TDI with PW is to better obtain the motion trajectory of the myocardial wall.

➞ **Cardiac Wave** detects high-speed blood flow and hemodynamics information, helpful for measuring the gradient of the tricuspid regurgitation (TR).





## + Abdomen

→ **Trapezoid Imaging** reveals better diagnostic information through extended view of the anatomical structure.

→ **Contrast Imaging** uses less contrast agent to visualize veterinary organ structure, practical for finding nodes and superficial tumors.

→ **VS Flow** increases the sensitivity of low velocity blood flow with high resolution, which assists the assessment for blood supply of tumor, renal embolism for cats, etc.



## + Superficial

→ **Panoscope** provides a color panoramic view of large tissues and vessels in real time.

→ **Needle Enhancement** enhances needle's visibility and the accuracy during in-plane or out-of-plane biopsy.

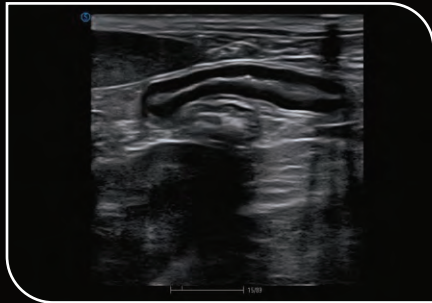
→ **Strain Elastography** offers a real-time tissue stiffness assessment shown in color-coded stiffness mapping, which is helpful for tumor assessment.





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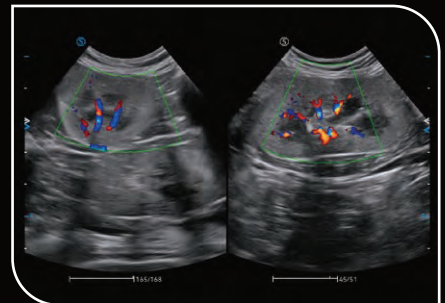
# IMAGE GALLERY



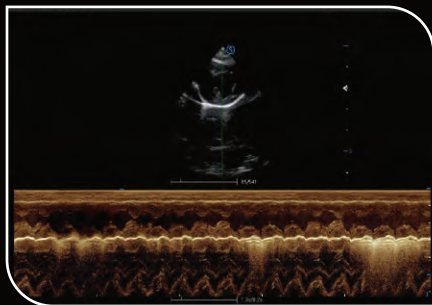
**Intestine B Mode**



**Kidney B Mode**



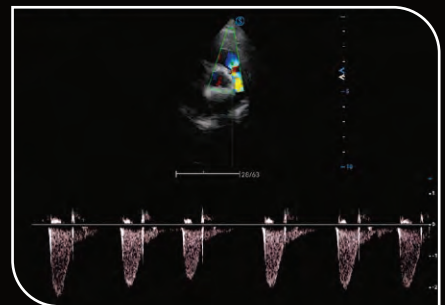
**Kidney CFM Mode**



**AMM**



**Heart CFM**



**CFM+CW**

# COMPETENT PROBES



**P5**

High frequency phased array  
probe for small-medium  
sized species



**P8**

High frequency phased  
array probe for small-sized  
species



**C6LC**

Micro convex probe  
for all-sized species



**L8**

High density linear probe  
for all-sized species



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