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P/N:ENG-Vetus M11-210285X12P-20240131

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mindray animal care

Vetus M11

Premium Veterinary Compact Ultrasound System

Proficient, Pivotal, Professional

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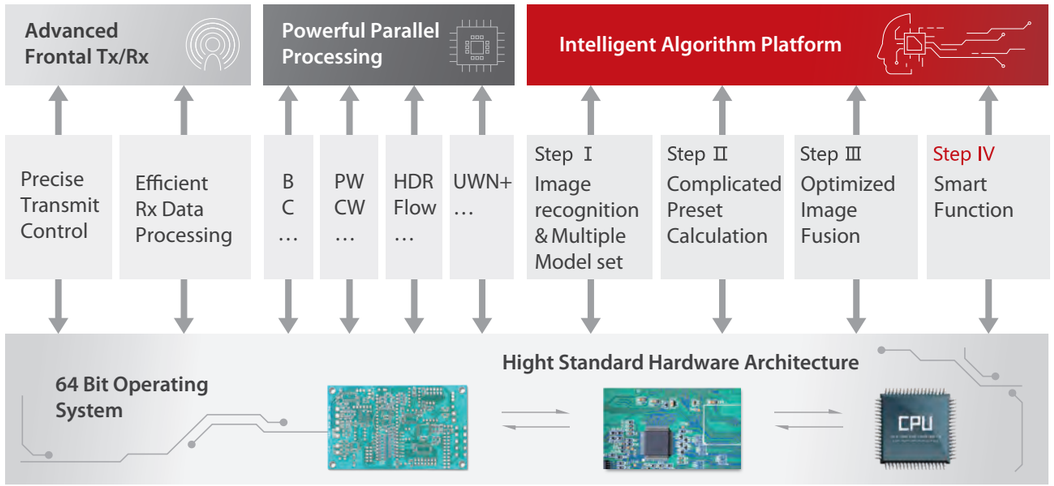
Mindray Animal Medical is dedicated to providing reliable and professional healthcare for animals. The Vetus M11, equipped with the premium intelligent mQuadro⁺ platform and cutting-edge 3T technology featuring single crystal and ComboWave transducers, demonstrates our commitment to advancing veterinary healthcare with assured exceptional image quality and superior penetration.

Developed with a primary focus on challenging clinical cases, the Vetus M11 features advanced functions, including Auto EF, TTQA, LVO, TEE, etc. offering specifically tailored cardiac diagnostic features. It also achieves breakthroughs in intricate imaging with high-frequency linear solutions. With innovative hardware and a compact ergonomic design, the Vetus M11 is a versatile veterinary compact ultrasound system, providing premium capacity and effortless mobility.

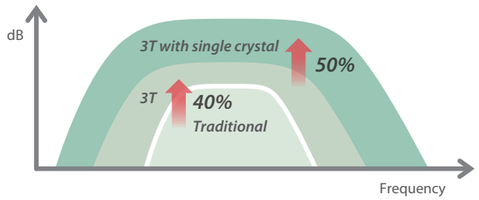
Premium Intelligent mQuadro⁺ Platform

The revolutionary ultrasound platform, intelligent mQuadro⁺ (iQ⁺), integrates advanced signal transmission and reception processors. This cutting-edge platform elevates veterinary diagnostic capabilities, delivering high image resolution and precise echo detection.

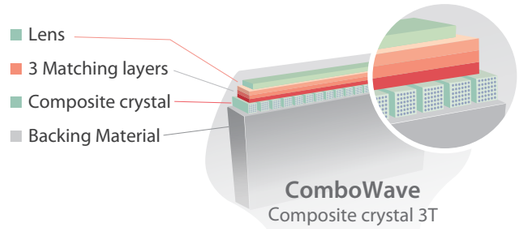


Advanced Transducer Solution

Elevate your imaging experience with Mindray Animal Medical's cutting-edge technologies. Our single crystal transducers, powered by 3T technology, provide broader bandwidth for superior imaging of abdominal, cardiac, and complex pathological conditions. Similarly, our ComboWave transducers, integrating innovative materials with 3T technology, deliver outstanding performance, advanced resolution, and uniformity, surpassing traditional transducers.



Single crystal transducer with 3T Transducer Technology™

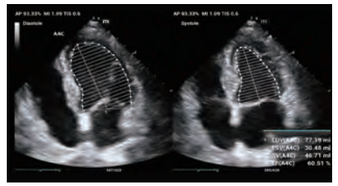


ComboWave transducer with 3T Transducer Technology™

Cardiac Expertise: Forging Paths to Distinction

Leveraging the iQ+ platform and robust hardware, our latest innovative features, combined with classic assessment capabilities, empower you to conduct even more comprehensive cardiac echo exams for your animal patients and delve deeper into cardiac assessments with confidence and precision.

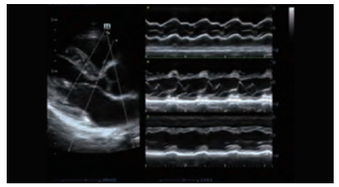
Cardiac Structural Assessment



* Only available on SP5-1s

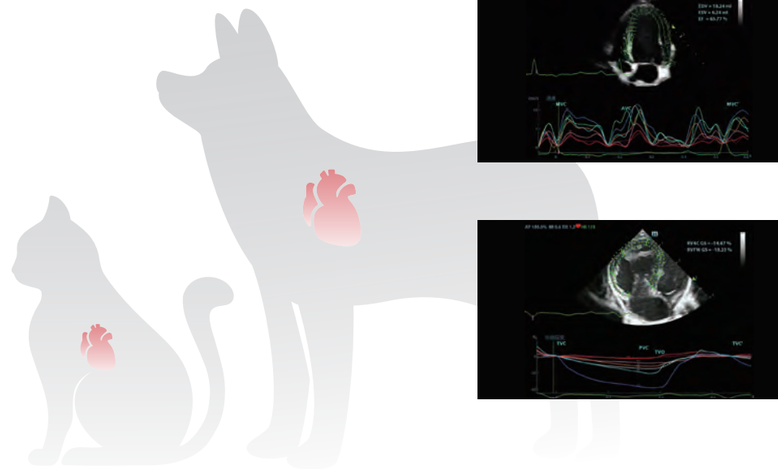
Auto EF

Smart tool for 2D echo clip analysis automatically identifies diastolic and systolic frames and outputs EDV/ESV/EF/SV results.



Free Xros M

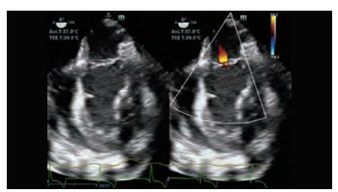
Enable precise anatomical observations by freely positioning sample lines at any angle and simultaneously displaying up to 3 sample lines.



Interventional Examination

Unlock the potential of cardiac interventions with the Vetus M11. This cutting-edge device supports TEE transducer scanning, providing superior insights. Ideal for patients requiring avoidance of pulmonary air sheltering and various catheter-based cardiac interventions.
Elevate your ultrasound imaging experience with the Vetus M11- a seamless blend of accuracy and safety.

Distinguished by its 4-way articulation for precise positioning and equipped with built-in overheating protection, the Vetus M11 with P8-2Ts ensures precision and safety at every stage.

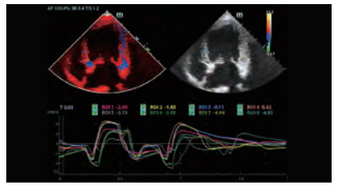


Long-axis 4 Chamber View

ME LAX View

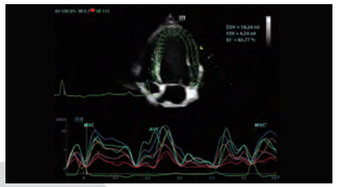
LV Inflow and Outflow Cental View

Myocardial Evaluation



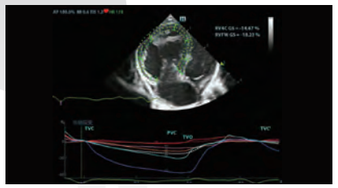
TDI QA

Tissue Doppler Imaging Quantitative Analysis with max 8 ROI enables simultaneous analyses of 8 regions of myocardium, inclusive of the speed of myocardial movement, myocardial strain, strain rate, and myocardial synchrony.



TTQA

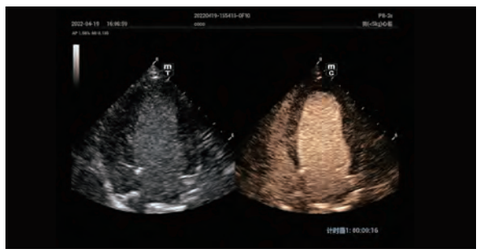
Tissue Tracking with Quantitative Analysis allows users to monitor the displacement of cardiac tissue by tracking the speckle displacement in the image by frame. This angle independent tool supports for left ventricle function analysis and bull-eye mapping.



TTQA RV

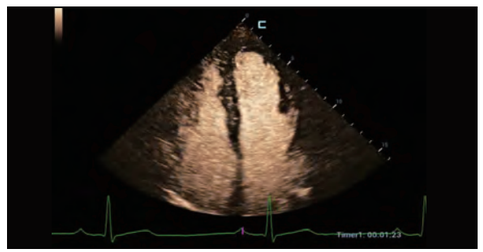
A dedicated speckle tracking algorithm for strain analysis of the right ventricle, providing global and free wall longitudinal strain results and additional segmental performance data.

Perfusion Analysis



LVO

Left Ventricle Opacification Contrast reveal structural and functional change of left ventricle with longer contrast agent duration and higher sensitivity with UWN+ technology.



MCE

Precise assessment of the ventricular wall with lower MI using myocardial contrast echocardiography.

Abdominal Mastery: Exploring Intricate Imaging

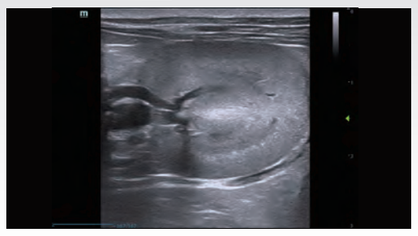
Consistently delivering exceptionally clear and detailed abdominal diagnostic imaging, our platform excels in particular when paired with our recently introduced high-frequency linear transducers.

High Frequency Linear Solutions

Superior resolution and visualization are applicable for abdominal, ocular, and MSK imaging in canines, felines, and other animals.

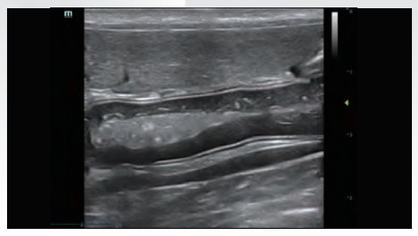
L20-5s

· High elements density
· Magnificent imaging



L16-4Hs

· Featherweight
· Adaptive
· Clean-friendly

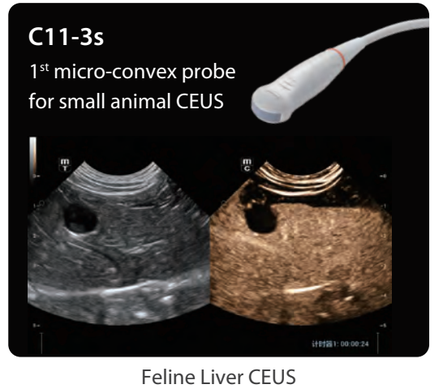


UWN+ Contrast Imaging

UWN+ (Ultra-Wideband Non-linear Plus) contrast imaging detects and utilizes both the 2nd harmonic and non-linear fundamental signals, generating images with:

· Excellent agent sensitivity even with minor signal
· Longer perfusion time with lower MI
· Ultra-low dose contrast agent for animal care
· Better visualization of tiny vessel perfusion with MFE (Micro Flow Enhancement)

C11-3s
1st micro-convex probe for small animal CEUS



Feline Liver CEUS

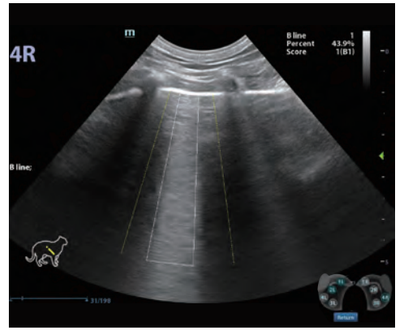
Accuracy at Point of Care: Rapid and Precise

Given the growing need for advanced imaging capabilities in point of care settings, the Vetus M11 offers a comprehensive mobile solution for animal patients at the bedside.

Smart B-line

Smart B-line combines the machine learning algorithm and image feature extraction to automatically monitor B-lines with high repeatability and more diagnosis information.

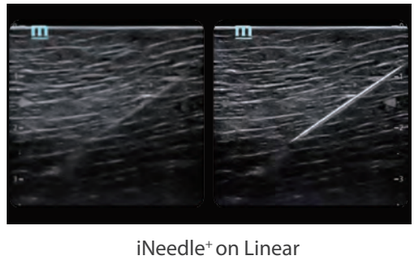
Automatically count the number of B-lines and percentage of B-lines for assessment of lung tissue. Unique visual scoring map for intuitive overall lung fluid evaluation can guide the fluid infusion and prevent pulmonary edema.



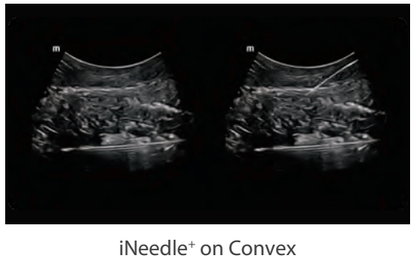
iNeedle+ Enhancement Technology

iNeedle+ is the second generation needle enhancement technology, which better displays the path of needle and provides more precision for biopsy.

· Real-time comparison display of dual images
· iNeedle multi-angle automatic adjustment, suitable for different needle entry paths, to obtain better puncture enhancement effect



iNeedle+ on Linear



iNeedle+ on Convex

Classics in Efficiency, Permanence in Superiority

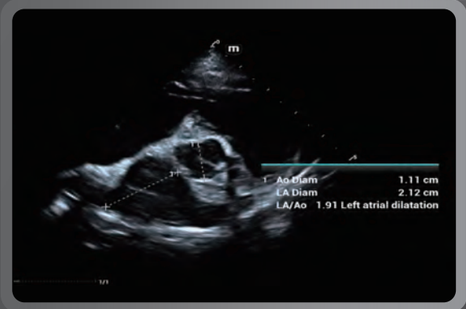
Productive Veterinary Functions

iWorks

- Professional and simplified veterinary protocols for cardiac and abdominal examinations
- Reduce 50% exam time and 80% keystrokes

iScanHelper

- A specialized built-in educational tool for veterinarians
- Providing scanning reference images and demonstration guide

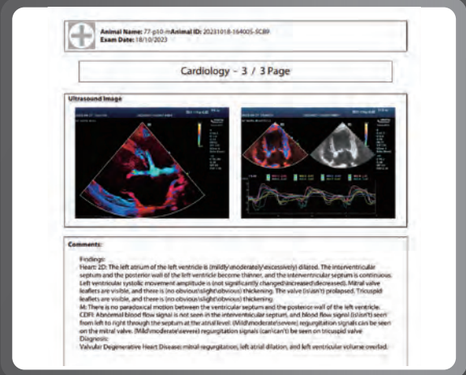


iMeasure

- Intelligent auxiliary diagnosis, heart disease abnormal reminder with user-define threshold settings
- Professional calculations:
  IVSd, LVPWd, LA/Ao, LVIDDN, LVPEP/LVET

iStation

- Interactive and concise animal information management, allowing for the inclusion of pet owners' information
- Simple history information query and retrieve
- Enabling data communication with local PC/smartphones



iReport

- Built-in professional report template with detailed options of frequently used animal disease descriptions
- Effortless customizable report generation and distribution

Effortless Mobility

The newly designed cart on the Vetus M11 can be stationary or mobile without compromising functionality. Inspired by user feedback, the new cart is designed to protect the system console and enable convenient transportation and storage. With its agility and small footprint, the Vetus M11 can be used across multiple clinical scenarios, optimizing the way you move.

Cable management

· Vertical cable routing
· Multi-functional rear handle for cable management

Large lifting range

· 320 mm adjustable height range
· Suitable for various scenarios

Anti-collision design

· Magnesium alloy covers
· Durable and high quality

Multi transducer connector

· Up to 3 transducers simultaneously

Innovative storage design

· 3 storage baskets
· Interchangeable baskets

SP5-1s

P10-4s

P8-2s

C11-3s

C6-2Gs

C5-1s

L20-5s

L16-4Hs

L14-6Ns

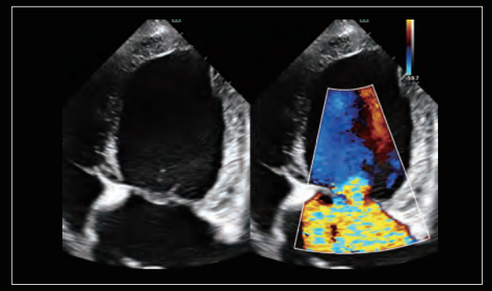
L12-4s

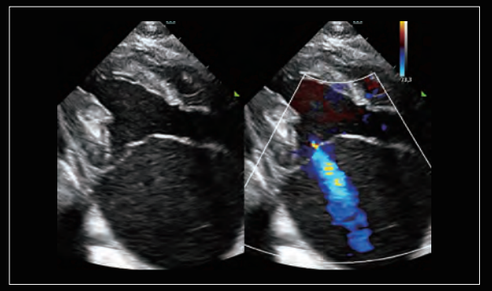
6LE5Vs

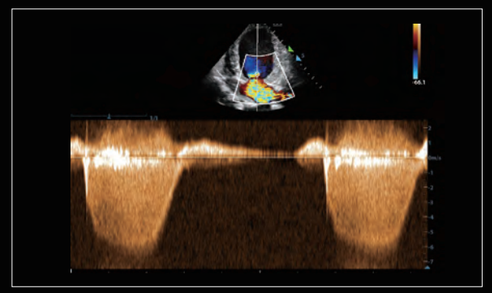
P8-2Ts

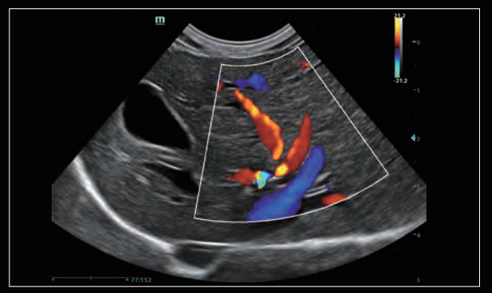
Unparalleled Image Gallery

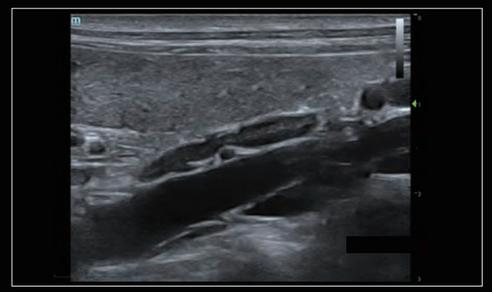
Built upon the iQ+ platform, Vetus M11 delivers an exceptional level of image performance tailored to the intricate demands of modern clinical practice.

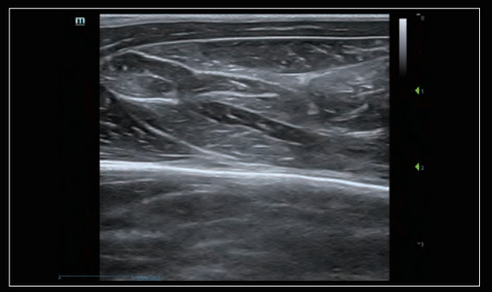

Canine Mitral Regurgitation


Feline Mitral Regurgitation


Canine Mitral Regurgitation CW


Canine Liver C Mode


Canine Adrenal Gland


Rabbit MSK