Aplio *i-series*

Canon

CANON MEDICAL SYSTEMS CORPORATION
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Model number: TUS-AI700 MCAUS0317EAA 2020-01 CMSC/SO/Printed in Japan

Canon Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.
Canon Medical Systems Corporation meets the Environmental Management System standard ISO 14001.

Disclaimer: Some features presented in this brochure may not be commercially available on all systems shown or may require the purchase of additional options. Please contact your local Canon Medical Systems representative for details.

Made For life

Canon

Aplio *i700*

Intuitive. Intelligent.
Innovative.

General Imaging

Aplio *i700*

The perfect fit

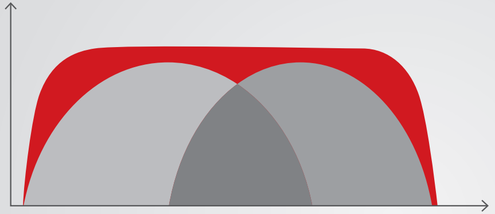
Aplio i700 helps you provide better quality of care in the shortest possible time. Combining superior imaging with exceptional ease of use and a wide range of expert tools, Aplio i700 is designed to optimally meet your clinical needs at all times.

Crystal-clear imaging, superior versatility

From the smallest to the toughest patients, Aplio's revolutionary iBeam architecture with dramatically increased processing power* provides unprecedented imaging clarity and definition while significantly enhancing penetration.

Aplio's intelligent Dynamic Micro-Slice (iDMS) technology increases clinical accuracy and reveals more detail in all depths by electronically sharpening the imaging slice thickness.

Better diagnostics start here



Aplio's ultra-wideband i-series transducers cover the same bandwidth as two conventional transducers, providing superior sensitivity and resolution for both near and far field. While helping to reduce cost, this revolutionary transducer design can provide better imaging regardless of the patient condition.

*Compared to Aplio Platinum Series.

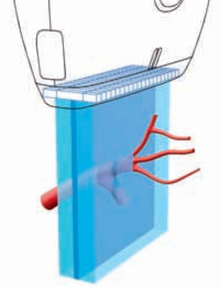
Ultra-Wideband
Sector i6SX1

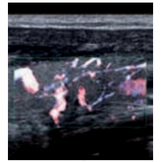
Ultra-Wideband
Linear i18LX5

Ultra-Wideband
Convex i8CX1

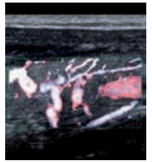
Enjoy the perfect picture

Each of Aplio's unique imaging technologies provides you with better image quality by reducing clutter, strengthening signal and improving visualization. All functions work hand in hand with other imaging modes for greater uniformity across all applications.





Conventional

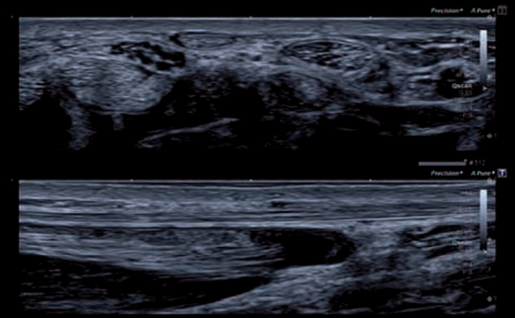


Adaptive slice thickness

Optimal imaging in each mode

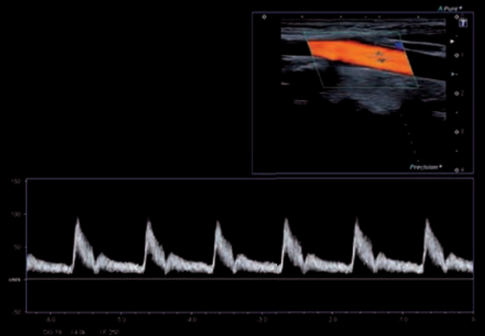
Aplio's adaptive Slice Thickness Control option helps you achieve optimal resolution and sensitivity simultaneously on each imaging mode. So while you improve the continuity of blood flow imaging with a wider beam, you can maintain the best possible B-mode quality and resolution at the same time.

Precision+ offers outstandingly smooth images with sharpened outline of anatomical structures and lesions, enhanced image uniformity and reduced clutter.



ApliPure+ compounding delivers increased imaging contrast and reduced speckle noise to improve visualization.

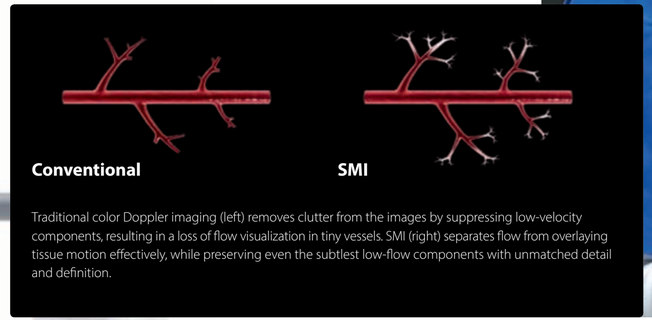
Differential Tissue Harmonics provides harmonic images of unsurpassed spatial resolution, alongside greatly enhanced penetration.



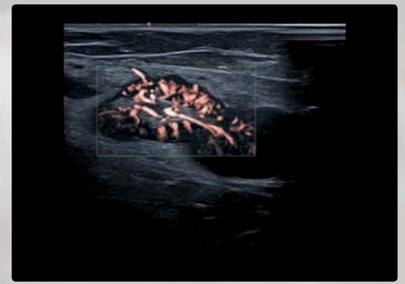
Aplio's wideband transducer and signal processing technology delivers outstanding sensitivity, penetration and spatial resolution for all Doppler modes.

Seeing the unseen with SMI

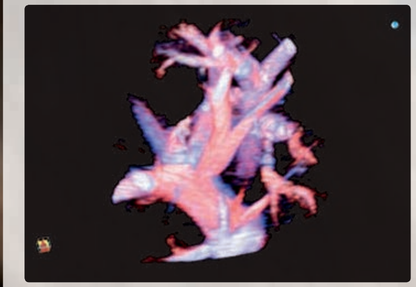
Experience color flow imaging with unmatched detail and definition on Aplio i700. Superb Micro-vascular Imaging (SMI) expands the range of visible blood flow to visualize low-velocity microvascular flow never before seen with diagnostic ultrasound.



Traditional color Doppler imaging (left) removes clutter from the images by suppressing low-velocity components, resulting in a loss of flow visualization in tiny vessels. SMI (right) separates flow from overlaying tissue motion effectively, while preserving even the subtlest low-flow components with unmatched detail and definition.



SMI's level of vascular visualization, combined with high frame rates, advances diagnostic confidence when evaluating the micro-vasculature of organs and lesions.



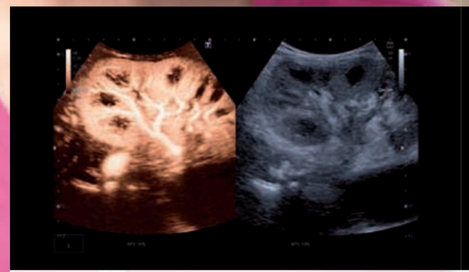
Smart Sensor 3D allows you to acquire accurate 3D volumes with a standard linear or convex transducer, also in SMI mode.

Increase your confidence, expand your capability

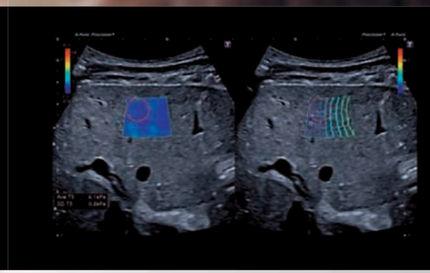
Early detection and reliable characterization of lesions help optimize your patients' clinical pathway. Aplio's extensive suite of advanced imaging and quantification functions can help you obtain definite answers quickly and with confidence.

Better intercostal access

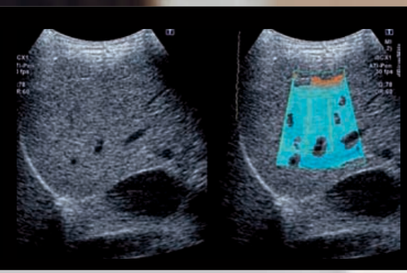
Aplio's thin convex transducers are ideally suited for intercostal scanning. The new biopsy attachment with minimized blind area and selectable puncture angle facilitates optimal puncture conditions for each patient.



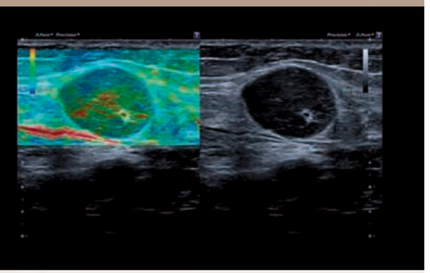
Aplio's comprehensive CEUS imaging and quantification package allows you to assess perfusion dynamics in a wide range of clinical settings, including an ample variety of specialized exams.



Canon Medical Systems shear wave technology provides a quantitative measure and realtime display of tissue elasticity. Featuring the Smart Maps which visualize and quantify shear wave propagation in realtime. The unique propagation map is powerful and intuitive tool that provides a visual assessment of the quality of an elastogram.



Attenuation imaging provides the capability to visualize and measure the attenuation coefficient of fatty liver tissue. Advanced filters remove structures such as vessels and calcifications from the measurements, leading to robust results.

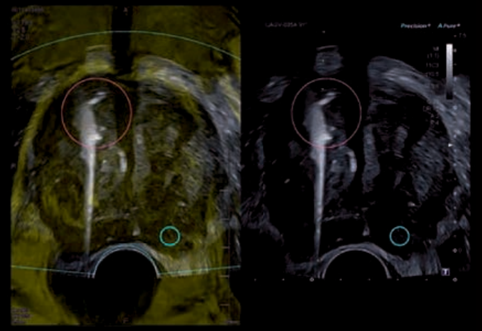


The system's comprehensive strain elastography suite with raw data functionality assists you in localizing and assessing palpable masses with high accuracy, sensitivity and reproducibility.

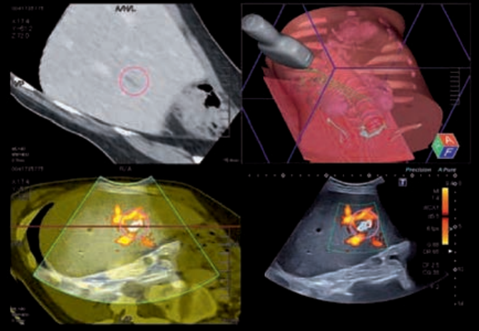
Navigate with ease, treat with confidence

Aplio provides a wide range of tools for advanced imaging and interventions. Dedicated transducers and an abundance of imaging and navigation tools help you enhance confidence and accuracy during interventional procedures and their follow-up.

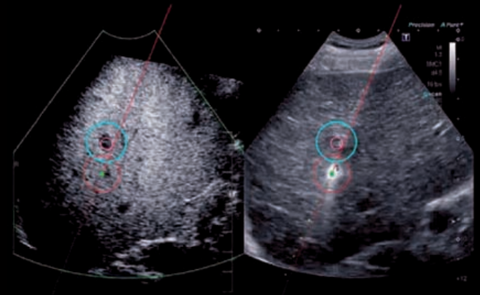
Aplio i-series is compatible with a variety of needle guides with multi-angle or free angulation capability, either using brackets or directly mounted on the transducer to ensure easy handling with high precision and minimal blind zone.



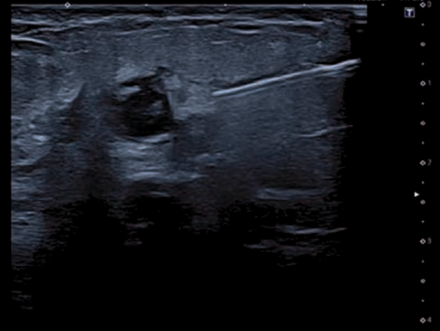
Smart Fusion merges realtime ultrasound with previously acquired CT, PET-CT, MR or ultrasound data, allowing you to identify and compare lesions with ease and to navigate complex anatomy securely.



For comprehensive evaluation, Smart Fusion allows you to work in multiple imaging modes, including color Doppler and CEUS. The concise quad display shows the live ultrasound image in sync with multiple views of the pre-loaded data.



Smart Navigation helps you guide needle tips securely and with higher confidence. Color-coded virtual biopsy lines make it easy to track needles in both the live ultrasound and the adjacent fusion image.



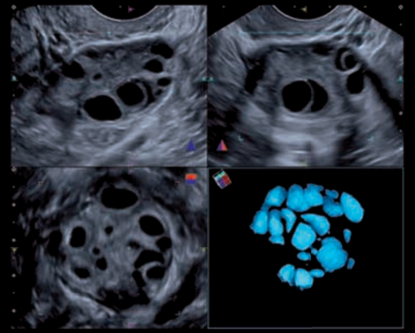
Canon Medical Systems' BEAM technology provides clearer visualization of biopsy needles in the live image. The function works with all common needle sizes and selects the optimal enhancement automatically.

Exceptional detail for a more precise diagnosis

Both the busy clinician and the patient can benefit from high-resolution imaging and volumetric ultrasound. Aplio's comprehensive volume imaging suite extends your diagnostic capabilities into the next dimension of imaging with extraordinary image quality and uncompromised workflow.

Doppler Luminance provides a homogeneous, easy-to-interpret color display with high accuracy and rich detail, even in the smallest vessels. Doppler Luminance offers high frame rates while maintaining full B-mode image quality.

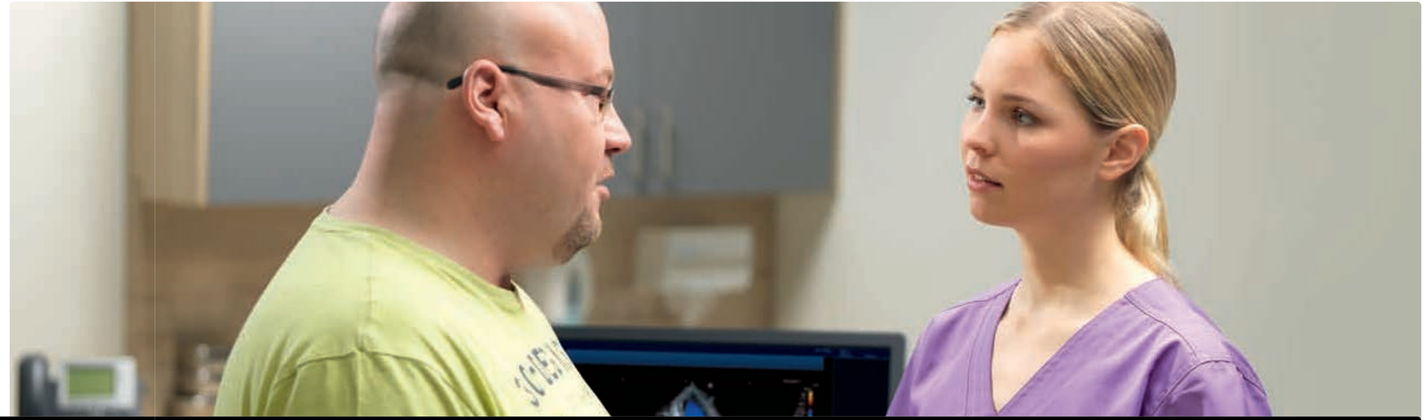
Luminance offers natural-looking 3D renderings of high quality and definition, providing strong visual feedback on depth and detail already in the first trimester.

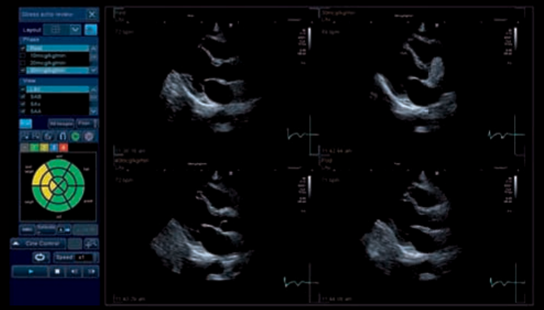


A wide range of MultiView options provide high-resolution cross sections, helping you to better understand anatomical relationships or the extent of a given lesion.

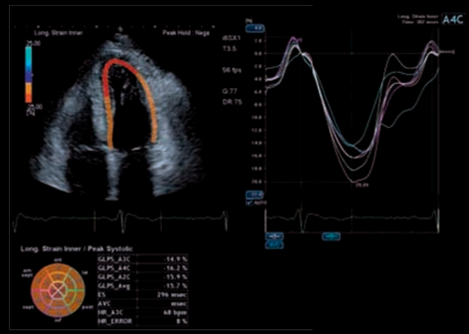
Accurate quantification, regional myocardial function

Functional assessment is at the heart of cardiovascular imaging. By providing valuable additional information in easy-to-understand visual, parametric or quantitative formats, Aplio's advanced clinical functions can help you obtain your diagnostic answer faster and more reliably.

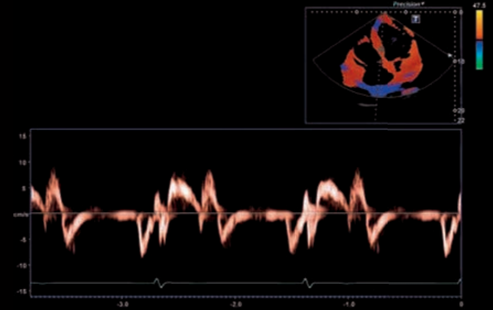




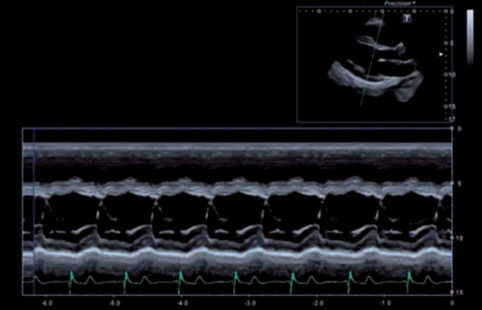
Supporting standard and user-defined protocols for both physical and pharmacological stress, Aplio offers a comprehensive package for fast and accurate wall motion assessment.



Aplio's advanced Wall Motion Tracking technology provides immediate visual and quantitative access to global and regional myocardial wall motion dynamics.



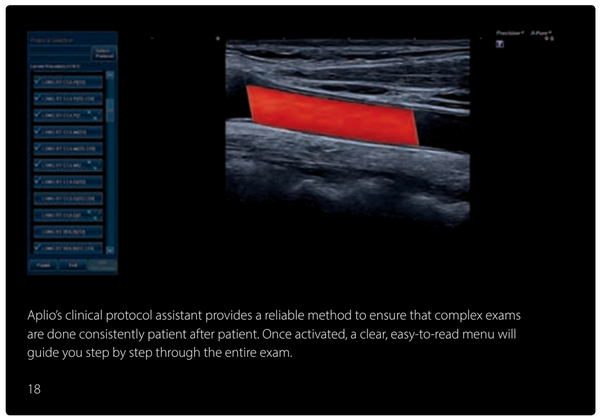
Aplio provides you with high frame rate Tissue Doppler images and Pulsed Wave TDI traces for a precise timing of cardiac events in both visual and quantitative formats.



Flex-M allows you to derive anatomically correct M-mode traces from live or stored 2D images with the same quality as in conventional M-mode.

Consistent high-quality results, outstanding ergonomics

Vascular exams can be very challenging. Aplio dedicated transducers ensure excellent imaging resolution and sensitivity for all vascular applications, while automated scan protocols and measurements help you improve efficiency and consistency.



Aplio's clinical protocol assistant provides a reliable method to ensure that complex exams are done consistently patient after patient. Once activated, a clear, easy-to-read menu will guide you step by step through the entire exam.

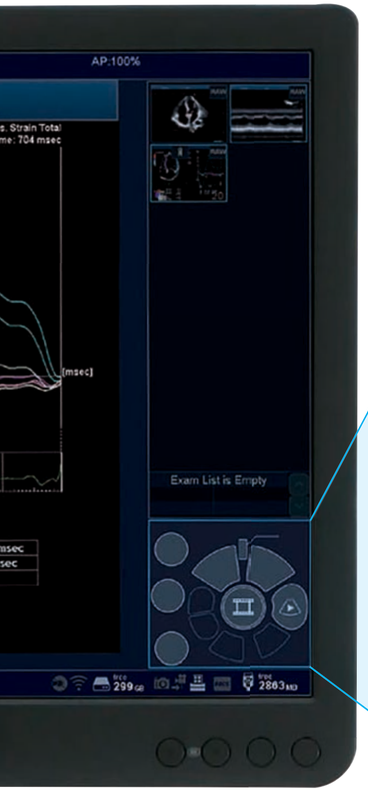
Aplio's Color Quick Scan helps you optimize steering, sample volume and angle correction by simply pressing a button during vascular examinations, while baseline and velocity range are automatically optimized when a Doppler waveform is displayed.

Go wireless to gain better access

Aplio i-series allows you to remotely operate the system from a wireless tablet. This can be particularly helpful during vascular exams where it can be difficult to scan a patient and reach the panel at the same time, without losing sight of the monitor.

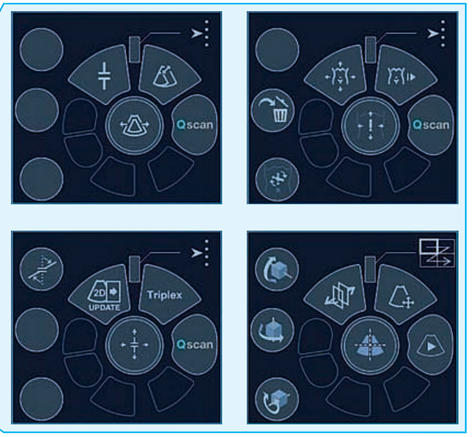
Designed with our users in mind

Smaller and lighter, Aplio i700 is easy to maneuver. With over 36 cm panel height adjustment, lateral slide and a fully articulating monitor arm, Aplio i700 helps you to optimally adjust the console to virtually any scanning position.



Aplio makes your work flow

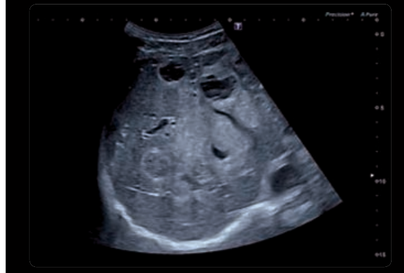
Aplio provides a host of intelligent workflow support and automation tools, helping you to achieve rapid results with consistent high quality regardless of the patient condition.



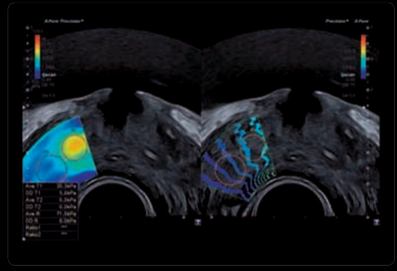
The mode-sensitive on-screen navigation for the central trackball boosts your workflow and efficiency. By visually guiding you through the exam, it allows you to adapt and operate the system within a few minutes.

Access all areas

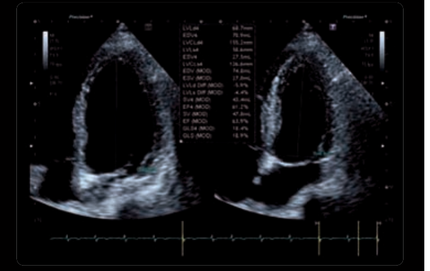
Aplio's large, tablet-style touch screen with three interactive zones allows you to quickly browse and select the desired function, while the rest of the display remains unchanged.



Realtime Quick Scan allows you to achieve greater consistency in your exams by ensuring that superb image quality is the benchmark at all times.



Thanks to Aplio's embedded raw data functionality you can optimize, review, analyze and report your clinical data anytime with no loss of functionality.



A range of automated measurement and analysis tools help you increase accuracy, consistency and speed of your exams.