

Canon







Aplio beyond

Expand your vision.
Elevate your productivity.



iBeam+

With its premium iBeam+ imaging engine, Aplio beyond offers exceptional imaging quality and performance to enable deeper clinical insights and increased diagnostic confidence.

- 
Ergonomic design
- 
Quiet comfort
- 
Smart workflows
- 
Sustainable design



Expect more. Achieve better.

For robust, high-performance capabilities you can rely on for a wide range of clinical tasks, look no further than the Aplio beyond. Equipped with a host of easy-to-use, AI-enabled tools for routine and specialized imaging, as well as precise interventions, Aplio beyond can help you ensure outstanding diagnostic confidence and exceptional productivity.

Imaging performance

Better diagnoses start here

Aplio's distinctive imaging technologies can help improve image quality by reducing noise, strengthening signal and enhancing visualization. The system's advanced iBeam+ imaging engine utilizes advanced signal processing to control ultrasound beams more precisely and flexibly, making imaging more insightful and robust.



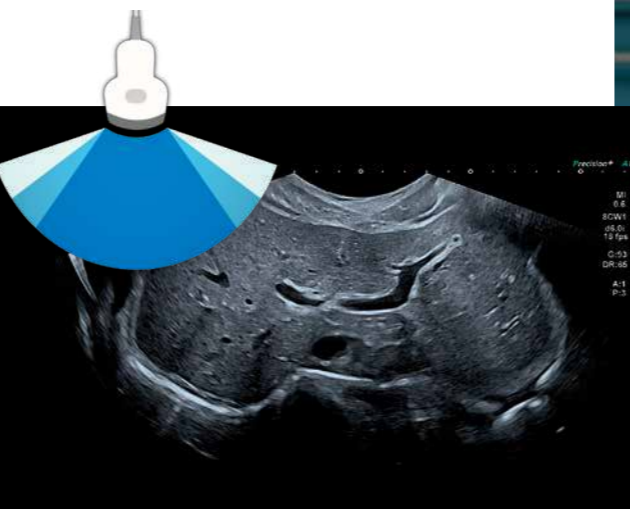
Fitted with a set of new, refined high-performance single-crystal and matrix transducers, Aplio beyond enables expert performance for a broad spectrum of clinical settings.



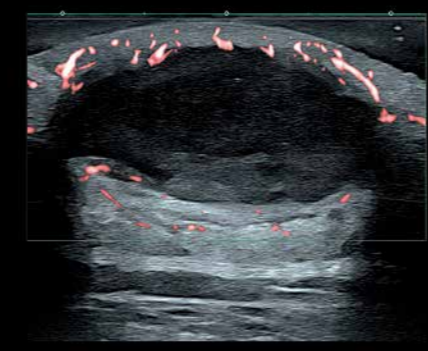
The consistently high image quality across the depth of field in a wide variety of patient conditions is one of the key features enabling fast and reliable diagnoses.



The system's practical Full Focus feature provides clear, uniform images across the depth of penetration without the need for user interaction so you can achieve greater uniformity with fewer steps.



Aplio's Ultra Wide View function offers a broader view of the region of interest for better clinical insight, without compromising image quality or functionality.

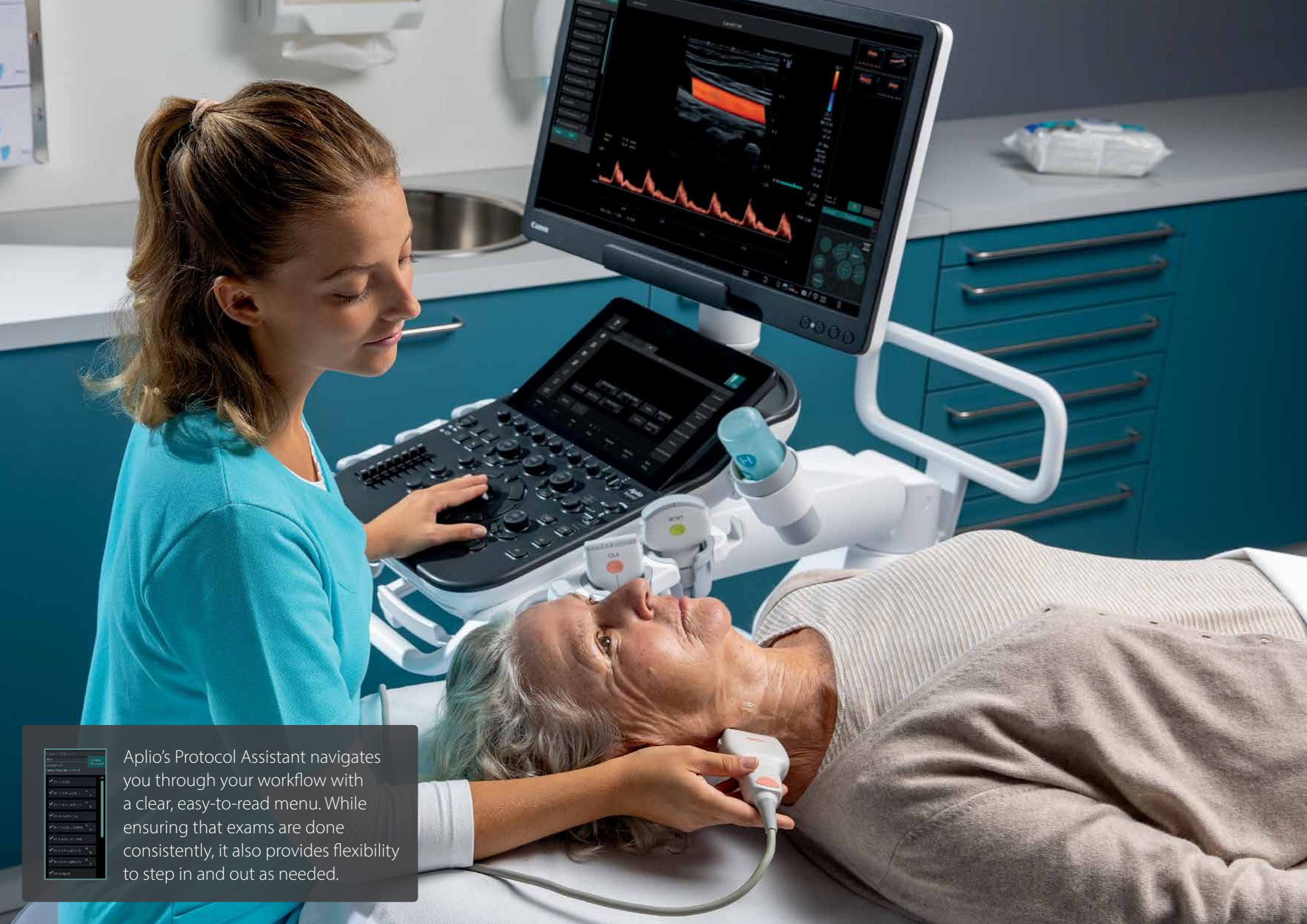


Superb Micro-vascular Imaging (SMI) provides an exceptional level of vascular flow visualization combined with high frame rates to help you increase diagnostic confidence when evaluating lesions, cysts and tumors.

Precision+



Precision+ is known for its outstanding performance in providing smooth images with sharp outlines, improved image uniformity and reduced clutter. Aplio beyond's new Fine Processing mode enables even clearer images with crisper contours.



Intelligent healthcare made easy

Simplify processes, increase your efficiency.

With rising workloads, lower reimbursements and a focus on exam consistency and patient outcomes, healthcare professionals face increasing pressure. Aplio beyond offers a variety of anatomical awareness, workflow and decision support tools that can help you streamline your clinical workflows and increase your diagnostic confidence in a wide range of applications.



- Workflow automation
- Landmark detection
- Tissue segmentation
- Decision support
- Report generation
- Completion check

Aplio's Protocol Assistant navigates you through your workflow with a clear, easy-to-read menu. While ensuring that exams are done consistently, it also provides flexibility to step in and out as needed.

powered by **Altiivity**

Right Posterior CCA Far Max 0.422mm
Right Posterior CCA Far Mean 0.354mm
Right Posterior CCA ROI Width 10.0mm

PARAM A
GMSDD 20w1d EDD 2024/11/10
LUS GA 20w0d LAG ETD 2024/11/11
AC 14.84cm (Hadlock) 20w1d 43%tile
APAD 5.18cm (Merz) 22w0d >95%tile
TAD 4.27cm (Merz) 19w0d 10%tile

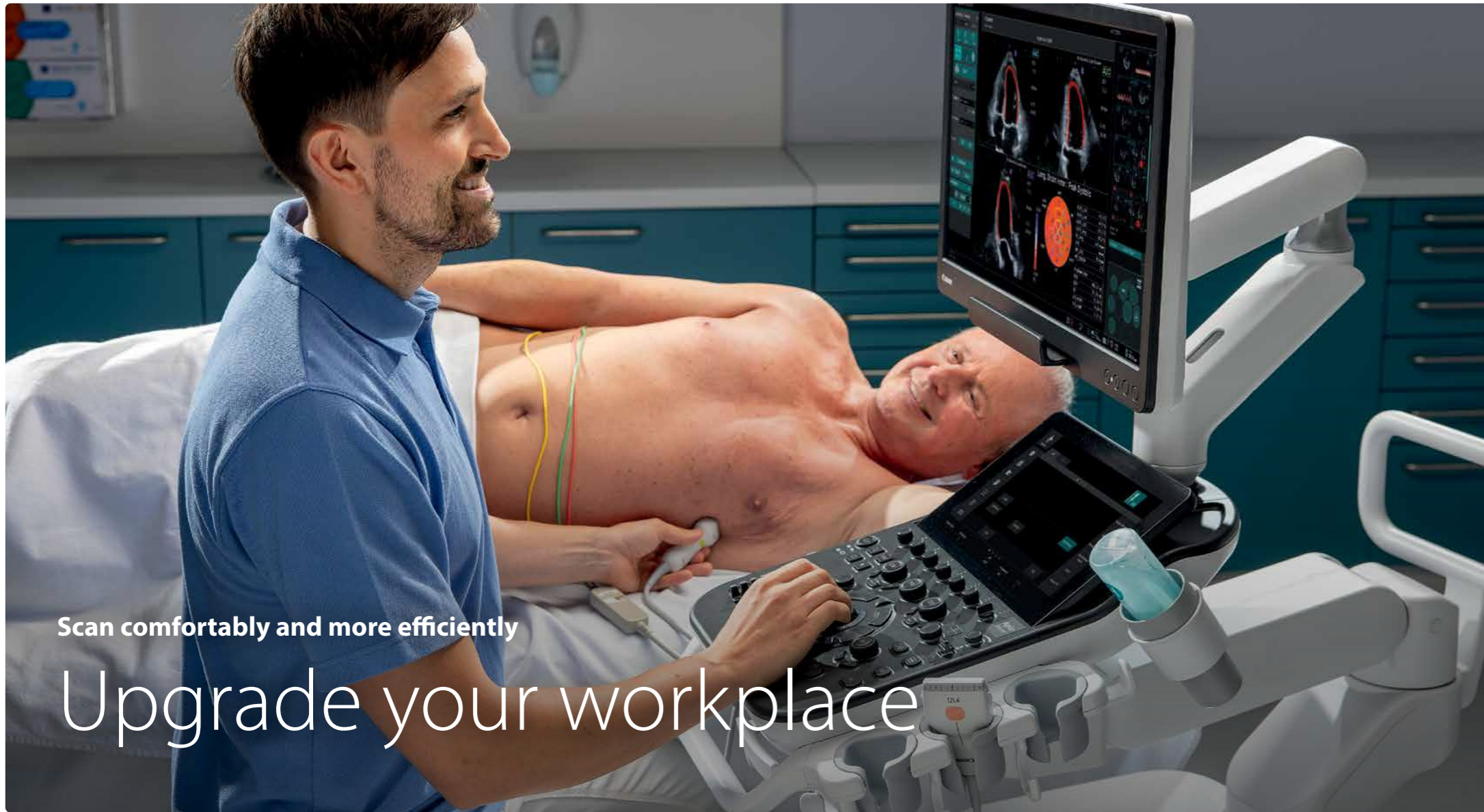
RV diam
LAD diam
LAD diam
LAD diam
LAD diam

Intelligent algorithms can help automatically detect anatomical structures and thus speed up tedious measurements or the automated registration of modalities in complex applications.

Deep Learning-empowered* Smart Area Indication applications for OB help you identify standard anatomical views for faster workflow and enhanced uniformity in exam results.

Automated tracing and measurement support enabled by AI can help you improve your workflow consistency and efficiency in a wide range of applications.

*pre-trained function, continuous learning not provided.



Aplio's design can help you scan more comfortably and boost your productivity for routine daily tasks as well as more complex cases. Aplio's system console is adjustable for seated or standing use and easily adapts to a variety of users. The system's floating panel allows the elbow, wrist and trackball to be well aligned in an ergonomically sound and patient-engaging position.



For more information on setting up an ergonomic workplace go to healthysonographer.com/



Create your ideal workplace, enjoy unrestricted mobility

Small and lightweight, Aplio beyond is easy to maneuver and simple to set up ergonomically sound for a wide range of scanning situations. With its comprehensive range of positioning options, the system can be quickly adjusted to provide a comfortable, patient-oriented scanning position.



Working with Aplio beyond can be particularly stress-free and pleasant. Despite its high imaging and workflow performance, the system is whisper-quiet and can help you create a soothing, calm atmosphere for you and your patients during an exam.

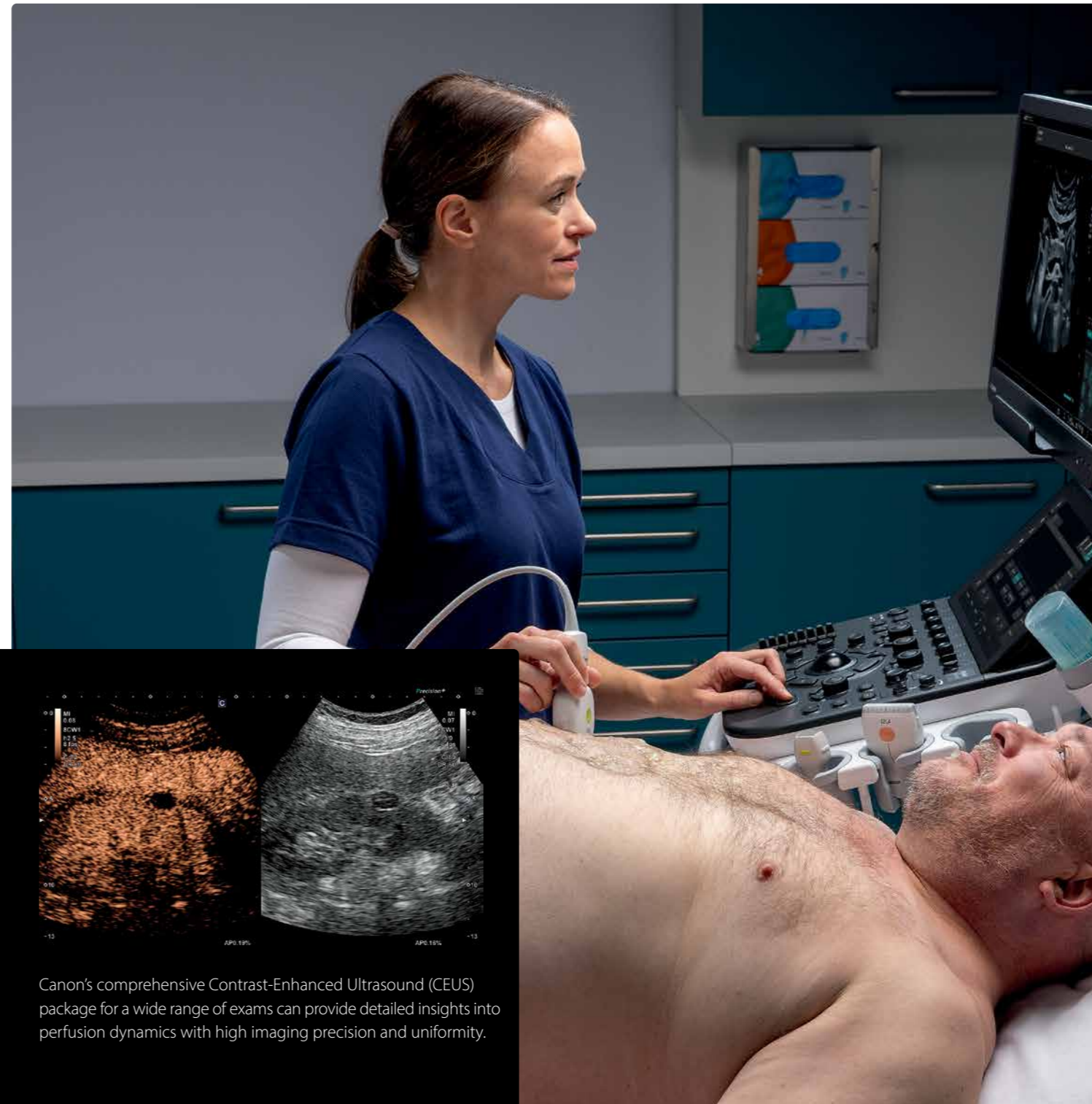
Abdominal imaging

Comprehensive capabilities for deeper clinical insights

Alongside excellent B-mode imaging, Aplio beyond boasts a wide range of advanced imaging and measurement capabilities providing functional metrics and procedural guidance to help you make faster, more informed diagnoses. Combined with tools for supporting early detection and reliable characterization, they can help referring physicians improve your patients' treatment plans.

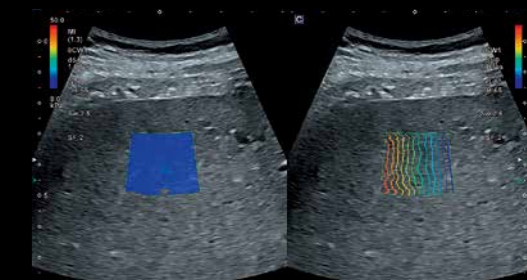


The wide range of advanced features offered with Aplio beyond allows you to take a holistic view of your patients.

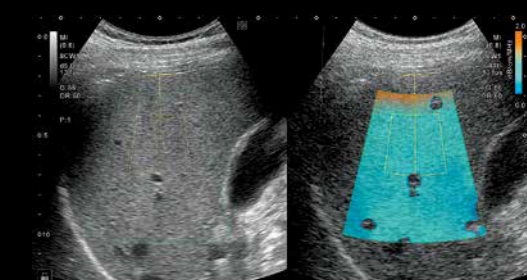


Assessment and prevention

Canon's non-invasive liver tools can help you assess chronic liver disease and provide easy-to-understand readings in visual and numeric form. Combining the results of ultrasound and external examinations into a single multiparametric report can provide a more comprehensive understanding of its stage.



Shear Wave Elastography (SWE)



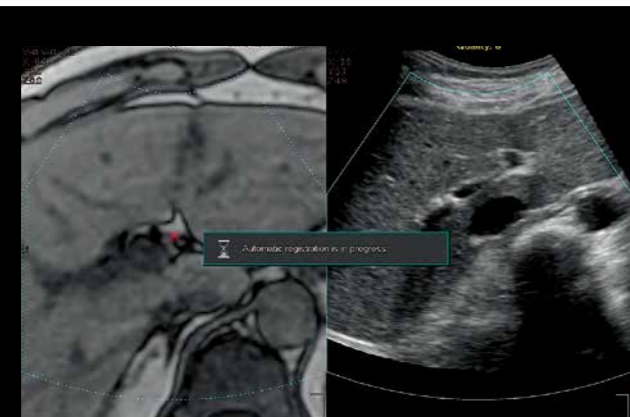
Attenuation Imaging (ATI)

Parameter	Value	Unit
Strain T1	0.751%	
Strain R	0.686%	
Ratio	0.91	

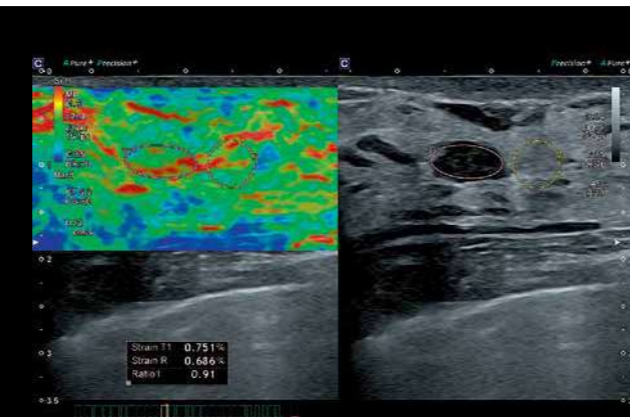
Multi Parametric Report



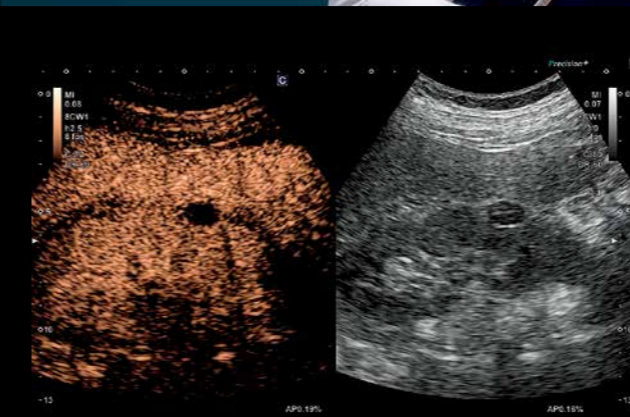
The high level of detail of vascular flow visualization in SMI, combined with high frame rates, can increase diagnostic confidence when assessing the microvascular flow of organs and lesions.



Aplio's easy-to-use Smart Fusion package can provide fast loading and AI-enabled volume registration directly on the ultrasound system.



The new and enhanced Strain Elastography option provides enhanced temporal and spatial resolution, high reproducibility and allows for ROI selection even after freezing.



Canon's comprehensive Contrast-Enhanced Ultrasound (CEUS) package for a wide range of exams can provide detailed insights into perfusion dynamics with high imaging precision and uniformity.

Women's Health

Expert performance for higher confidence

Early detection of fetal abnormalities is crucial for efficient, safe and timely decision-making. Aplio beyond provides high-quality imaging with remarkable detail and clarity at various stages of fetal development. While the dedicated Women's Health configuration lets you focus on the tools you need, upgrading is easy as your diagnostic scope may expand.

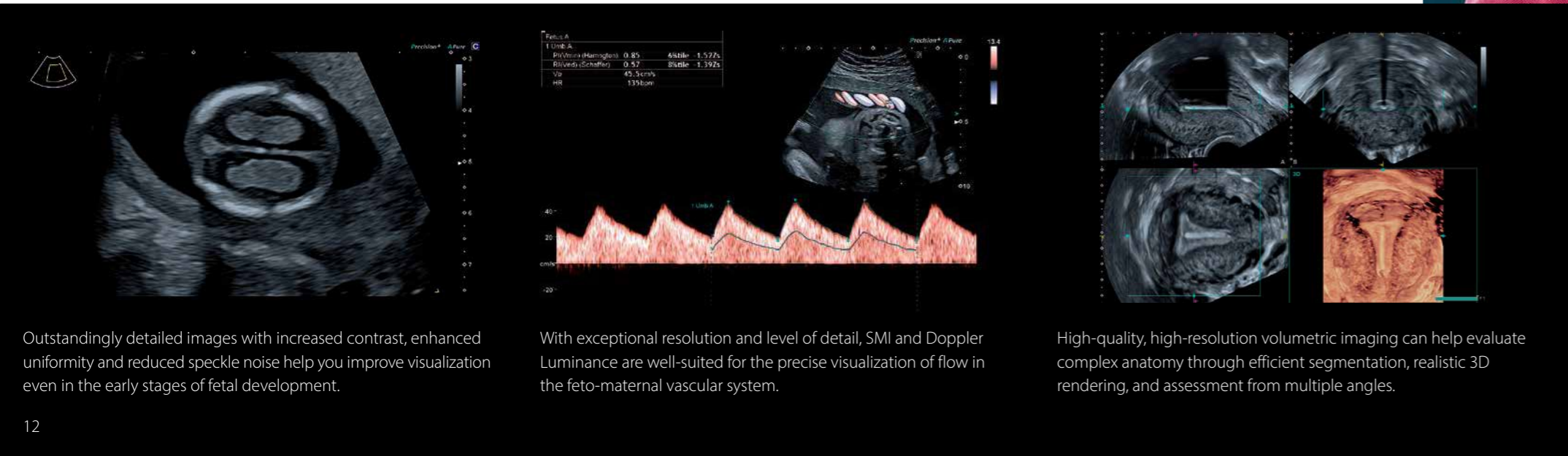


Small, lightweight transducers with high image quality enable easier, faster work and high diagnostic reliability at the same time.



powered by **Altiivity**

To improve workflow efficiency and exam consistency, Canon offers a comprehensive range of AI-enabled automated tools covering anatomical awareness, fetal growth and Doppler curve assessment.



Outstandingly detailed images with increased contrast, enhanced uniformity and reduced speckle noise help you improve visualization even in the early stages of fetal development.

With exceptional resolution and level of detail, SMI and Doppler Luminance are well-suited for the precise visualization of flow in the feto-maternal vascular system.

High-quality, high-resolution volumetric imaging can help evaluate complex anatomy through efficient segmentation, realistic 3D rendering, and assessment from multiple angles.

Cardiovascular imaging

Making echo easier, faster and more reliable

Functional assessment is at the heart of cardiovascular imaging. By providing valuable additional information in easy-to-understand visual, parametric and numerical formats, Aplio beyond's advanced clinical features can help you make your diagnosis faster and more reliable.



Aplio beyond offers a comprehensive range of cardiac transducers for various age groups and indications.



powered by **Activity**

Long Strain Inner / Peak Systolic

GLP _{LV} EF _{LV}	27.0%
GLP _{LV} EF _{AVC}	20.5%
GLP _{LV} EF _{AVL}	27.0%
EF _{LV}	32.7 min
AVC	min
EF _{LV}	15 bpm

RV Global	24.40 [cm]	0 min
ESA	15.78 [cm]	327 min
AVC	21.70 [cm]	341 min

GLP _{PS} A3C	190
GLP _{PS} A4C	153
GLP _{PS} A2C	213
GLP _{PS} A1A	200
ES _{LV} A3C	32.4 m
AVC	46
EF _{LV} A3C	80.3
EF _{LV} A2C	80.3
EF _{LV} A1A	110.21
EF _{LV}	51.76
EF	55.0
LVLSA Off	-0.0
LVLSA Off	-7.5

A host of AI-enabled, automated measurement and analysis tools can help to increase accuracy, consistency and speed of your exams. With Auto GLS (Quick Strain), a comprehensive assessment of the left ventricle or any other heart chamber including ejection fraction and global longitudinal strain is done by simply selecting the appropriate view.



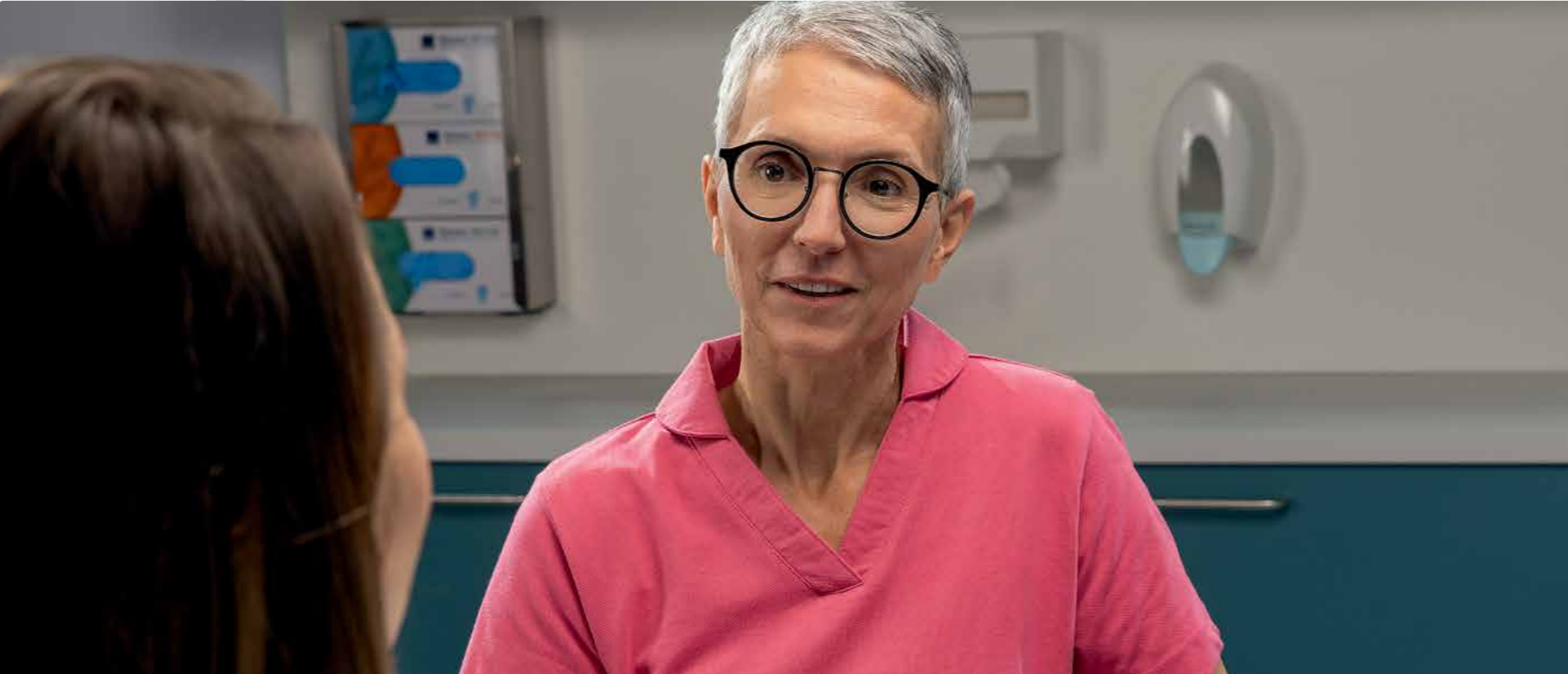
Canon's wide-band transducers deliver outstanding imaging contrast and resolution over an extended range of depths, even when imaging conditions are challenging.

Aplio's sensitive color and spectral Doppler modes can help you reveal flow with high definition and high frame rates while maintaining the B-mode image quality.

The system's built-in workflow navigator provides ASE-compliant step-by-step guidance through your workflow with a clear, easy-to-read menu, ensuring exams are performed and documented consistently.

Connect, collaborate and communicate

Equipped with a comprehensive portfolio of intuitive documentation, storage, post-processing and remote communication options, Aplio beyond can help you keep your workday productive, efficient and collaborative.



Aplio beyond connects seamlessly into hospital networks providing a comprehensive solution that helps you manage patients and exams more efficiently while embracing standardized data formats.



For smaller hospitals or practices without an extensive hospital network, Aplio beyond also offers the option of connecting to a local NAS in order to store all data securely.



With the embedded raw data functionality you can optimize, review, analyze and report your clinical data either on the device or on an optionally available workstation.



Remote connection

Need expert advice? Or want to share some findings with peers? With Canon's optional ApliGate solution you can interact securely – right from your workplace.



Cloud services

The system's Tricefy™* option gives you direct access to cloud-based communication, image management and documentation. With Tricefy, you can instantly share medical images and reports with referring doctors and patients.



Remote support

Connecting Aplio with Canon's InnerVision remote support is simple, safe and provides you with a wealth of benefits that you'll be able to enjoy directly at your system.



Interdisciplinary intervention

With dedicated imaging and navigation tools, Aplio can also be integrated with interventional solutions such as the Alphenix 4D CT to further improve confidence and accuracy in interventional procedures and their follow-up.

*Requires an additional third-party subscription and may not be available in all regions



Sustainability

Innovating for a healthier tomorrow



For detailed information about our sustainability policy go to <https://global.medical.canon/about/csr/csr-policy>

At Canon, we are driving healthcare progress with efficient, sustainable solutions that promote better patient outcomes and improved access to quality care. We continuously improve our processes to minimize environmental impact and maximize utility and durability of our products throughout their life cycle.

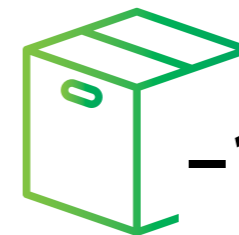


Modular design



Design & manufacturing

Aplio beyond is a multipurpose system with consistently high performance across a wide range of clinical applications. With over 30 transducers and many options available, the system can be customized to your exact needs, now and in the future.



Leaner packaging

-16%*



Packaging & delivery

Sustainable packaging and transportation are integral to our commitment to delivering products responsibly. We've reduced packaging weight by 16%, eliminated the use of wood and metal while ensuring all materials are fully separable and recyclable. In addition, we prioritize transportation by rail, road and sea to minimize environmental impact across our supply chain.



Lower energy consumption

-54%*



Daily use

A significant proportion of the cumulative energy consumption of diagnostic imaging devices is accrued when scanning patients. That's why we have developed Aplio beyond to be particularly energy-efficient in use and standby modes. A short boot-up time and optionally built-in battery enable rapid operation with minimal delay.



Training & education

Our world-class Canon Medical Academy facilities located across the globe provide onsite and virtual training for clinicians, biomedical engineers and technologists, helping you to use your equipment to its fullest potential.



Service & support

Canon's remote service tools can not only help you keep your system updated. In the unlikely event of a service issue, we can often provide remote assistance or diagnose problems, ensuring technicians arrive prepared, which can save time, money and reduce the environmental impact.



Durability & longevity

Because outstanding quality lasts, Canon's medical imaging systems retain a high value even after replacement. Our IEC63077-compliant SecondLife refurbishment program can help extend their lifespan, allowing you to buy or sell high-quality used equipment. Additionally, most materials used in our products are fully recyclable at the end of their life cycle.



*compared with Aplio i-series



Altivity is Canon Medical's new approach to AI innovation. It is a multimodality, overarching brand, which pulls together all the AI technology that Canon Medical provides under one name.

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CANON MEDICAL SYSTEMS CORPORATION

<https://global.medical.canon>

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Made For life