

In-house Developed & Manufactured Transducers

Alpinion develops and manufactures transducers in-house.
Reliable quality / Best compatibility / Cheaper maintenance / Faster repair






Transducer Guide

* A biopsy kit is available






Convex

				
SC1-6H * High density single crystal convex Fetal, Abdominal, Pediatric, Musculoskeletal(MSK), Peripheral vessel, Urology	C1-6CT * C-Architecture (PowerView™) convex Fetal, Abdominal, Pediatric, Musculoskeletal(MSK), Peripheral vessel, Urology	SC1-4HS * Wide angle high density single crystal convex Fetal, Abdominal, Pediatric, Musculoskeletal(MSK), Peripheral vessel, Urology	SC1-4H * High density single crystal convex Fetal, Abdominal, Pediatric, Musculoskeletal(MSK), Peripheral vessel, Urology	C5-8NT Micro convex Abdominal, Pediatric, Neonatal cephalic, Cardiac, Peripheral vessel


Linear

				
L8-17H High density linear Fetal, Abdominal, Pediatric, Small organ, Neonatal cephalic, Musculoskeletal(MSK), Peripheral vessel	L3-12H * High density linear Abdominal, Pediatric, Small organ, Neonatal cephalic, Musculoskeletal(MSK), Peripheral vessel	L3-12H^{WD} High density linear, 64mm wide footprint Fetal, Abdominal, Pediatric, Small organ, Musculoskeletal (MSK), Peripheral vessel	L3-12T * Linear Abdominal, Pediatric, Small organ, Neonatal cephalic, Musculoskeletal(MSK), Peripheral vessel	IO8-17 High frequency hockey stick linear Intra-operative, Pediatric, Small organ, Musculoskeletal(MSK), Peripheral vessel

Endocavity

				
EC3-10T * Endocavity (straight) Fetal, Trans-rectal, Trans-vaginal, Peripheral vessel, Urology	EV3-10T * Endocavity (curved) Fetal, Trans-rectal, Trans-vaginal, Peripheral vessel, Urology	E3-10 * Endocavity (straight) Fetal, Trans-rectal, Trans-vaginal, Peripheral vessel, Urology	VC1-6T Volume convex Fetal, Abdominal, Pediatric, Urology	VE3-10H * High density volume endocavity Fetal, Trans-rectal, Trans-vaginal, Peripheral vessel, Urology

Phased Array

	
P1-5CT C-Architecture (PowerView™) phased array Fetal, Abdominal, Pediatric, Adult cephalic, Cardiac, Peripheral vessel	SP3-8T Single crystal phased array Fetal, Abdominal, Pediatric, Neonatal cephalic, Adult cephalic, Cardiac

Pencil Typed

	
CW5.0 Pencil typed Cardiac	CW2.0 Pencil typed Cardiac



The E-CUBE 8 LE is a smart product that includes the absolutely essential features of the E-CUBE 8. The E-CUBE 8 LE is easy to use, and helps you make quick and accurate diagnoses. It is a great partner for medical practitioners, and provides patients with a comfortable healthcare experience.

The E-CUBE 8 LE delivers superior image quality and it can be utilized in a wide variety of applications in different specialized areas. The highly cost-effective and more efficient E-CUBE 8 LE is the most rational choice for you.

ALPINION MEDICAL SYSTEMS
We are Ultrasound Professionals



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Standalone clinical images may have been cropped to better visualize pathology.

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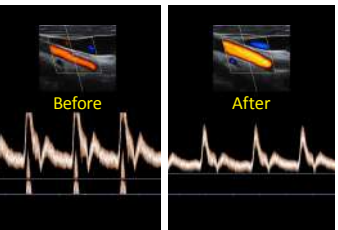
Satisfaction with Image Quality

Clear images delivered by the high-performance transducers and system will assist you to perform examinations more quickly and obtain more accurate diagnoses.

Transducers powered by PowerView™: C1-6CT/P1-5CT



PowerView™ technology is applied to the Convex and Phased array transducers. PowerView™ technology disperses heat generated by the transducers, improving its durability and ensuring the stability of diagnosis. The increased efficiency of ultrasonic waves enhances signal sensitivity and improves the clarity of clinical images.



High-performance linear transducers: L3-12H/L3-12H^{WD}



The high-density linear transducers can be attached to the E-CUBE 8 LE. Several footprint width options and high-quality linear images help with breast/thyroid/musculoskeletal/vascular examinations.

Flagship model-grade platform

The E-CUBE 8 LE has the same high-end hardware and software platforms also used on the top model produced by Alpinion. The resolution, contrast, and uniformity of 2D images have been improved, and with the addition of the Dual pulser, clear and accurate Doppler data can be displayed while maintaining sharp 2D images in Doppler Combined Mode.

Optimal Imaging Suite™ Plus

By combining Alpinion's image optimization processing technologies, artifacts are eliminated more effectively, boundaries between tissues are distinguished more clearly, tissue textures are expressed more richly, and accurate data is provided.

Xpeed™

Simply press the Xpeed™ button once to quickly optimize images in 2D Mode and Spectrum Doppler Mode for different clinical cases.

Simplicity of Workflow Design

As the E-CUBE 8 LE can be used easily and conveniently in different clinical environments, you can focus more on taking care of patients.



Monitor that delivers accurate images

The 19.5-inch full HD LED monitor with 1,600 × 900 pixel high-resolution delivers sharp, clear ultrasound images. With the use of IPS (In-Plane Switching) technology, image distortions do not occur and a wider field of view is provided.

Quick and easy control panel

All control panel keys are arranged in the most efficient and intuitive manner for examination. You can also save system presets to user keys or keyboard keys and load them later conveniently (Power Preset).

User-oriented storage space

You can place frequently used writing materials and medical supplies at the top of the control panel in the storage space, while a USB port located on the front allows a quick and convenient connection.

SSD for quick examination preparation

The E-CUBE 8 LE uses high-end hardware and an SSD. These enhance stability when using the system, and the fast booting time makes speedy preparation for examinations possible.

Battery that frees you from space restrictions

The combination of a compact exterior design and attached battery makes the E-CUBE 8 LE much easier to transport. You can move to a different location while in Exam Mode without connecting the power cable.

USB 3.0 that allows you to focus more on providing patient care

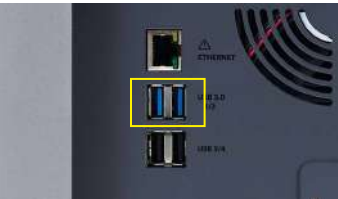
The E-CUBE 8 LE uses a USB 3.0 port which reduces the transfer time when exporting data, allowing you to focus more on patient care.

Gel warmer developed for patient convenience

The gel warmer warms up the ultrasound gel before examination. The temperature can be adjusted in three steps according to examination circumstances.

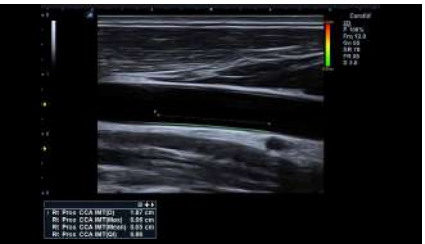
Endocavity transducer holder that improves patient care quality

It prevents the long Endocavity transducer from obscuring your view of the monitor or interfering with your hand movements during scanning, keeping the transducer safe and clean.



Enhancement of Clinical Capabilities

By providing premium-grade diagnostic software tools, it broadens the application range of ultrasound examination and ensures accurate diagnoses.



Auto IMT

When you draw a line in the area where the carotid intima media thickness is to be measured, the thickness will be measured automatically and displayed on the screen. Measurements can be made more quickly and accurately down to the millimeter level, regardless of the user's proficiency.



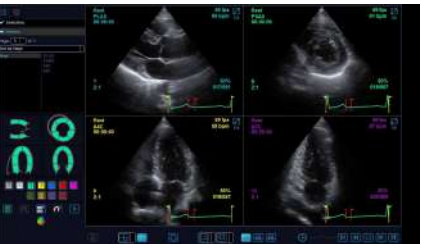
DPDI (Directional Power Doppler Imaging)

Power Doppler technology shows blood flow directions at a higher sensitivity than Color Doppler technology. It is useful in detecting slow peripheral blood flow (renal blood vessels, peripheral blood vessels, the middle cerebral artery, etc.).



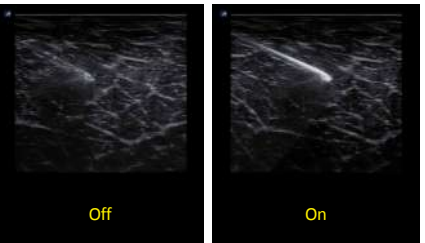
Auto NT

When you draw an ROI box in a desired measurement area during a nuchal translucency scan, the maximum thickness will be automatically measured and displayed on the screen. Examination results can be checked quickly in busy examination environments.



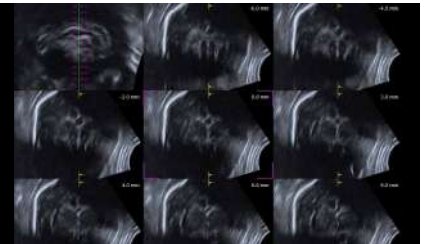
Stress Echo

The optimized examination workflow allows you to perform a Stress Echocardiogram more quickly and conveniently, aiding early diagnosis of chronic coronary heart disease.



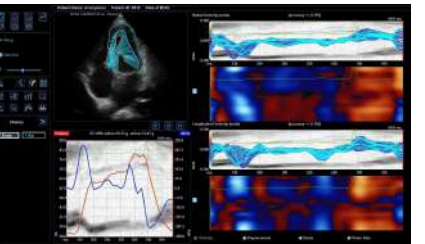
Needle Vision™ Plus

Using Beam Steering technology, this feature is useful in showing the shape and orientation of the needle. During invasive ultrasound-guided procedures, the needle can be viewed more clearly by adjusting the beam angle in three steps. This ensures safer and more accurate procedures.



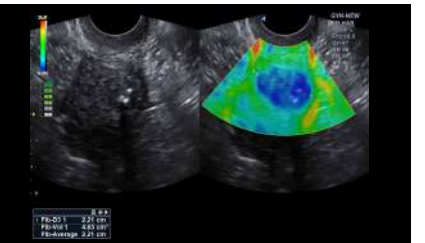
Volume Master™

Alpinion's high-performance 3D/4D features show you surfaces from volume data and orthogonal plane views which are not obtainable with standard 2D scanning. It enables you to obtain anatomical data and understand the structural connectivity between regions. Using the features in the Volume Master™, Multi Planar Rendering (MPR), Cubic View, and Multi Slice View (MSV), you can take advantage of the clinical benefits of CT or MRI.



CUBE Strain™

This is a non-invasive examination method that is used to assess the myocardial function more objectively. You can track speckles in 2D heart images, digitize the movement of each myocardial segment and check quantified data.



Elastography

Elastography intuitively shows the relative differences in tissue elasticity caused by external pressure by using colors. It provides additional pathological information and helps reduce the need for unnecessary biopsies. The Indication bar shows whether the amount of pressure on tissues is appropriate on a scale of 1 to 6 in real-time, adding to the credibility of results.



Live HQ

With the improved Volume Rendering technology, the light source can now be moved freely and the optimized color maps can be applied in a variety of ways. Realistic volume images make fetal anatomy easier to understand, which leads to quick and more accurate diagnoses, and helps create a bond between the parent and the unborn baby.