ALPINION
MEDICAL SYSTEMS

Double Up Your Efficiency

XCUBE *i*9

Alpinion Medical Systems Co., Ltd.
We are Ultrasound Professionals

Uncompromising Values

Experience a versatile ultrasound solution for the modern healthcare environment.
The X-CUBE i9 offers optimum mobility, intuitive workflow, intelligent clinical applications, and efficient diagnostic solutions. Innovative healthcare professionals can achieve new heights in patient satisfaction with best-in-class imaging clarity and accuracy to confidently support each critical diagnosis with maximum viewing and data interpretations.

The laptop-style X-CUBE i9 is equipped with DUAL active transducer ports, DUAL battery capacities, and an array of intelligent diagnostic technologies. Propelled by Alpinion's high-resolution "X+ Architecture" imaging platform, the performance-based ultrasound unit caters to a wide range of clinical specialties. This new generation of ultrasound systems allows clinicians to increase both volume and quality in patient engagement opportunities and improve patient throughput with the fast, efficient, and consistent diagnosis workflow while reducing clinician's user fatigue and dependency.

Excellent Imaging Quality For Versatile Diagnostic Performance

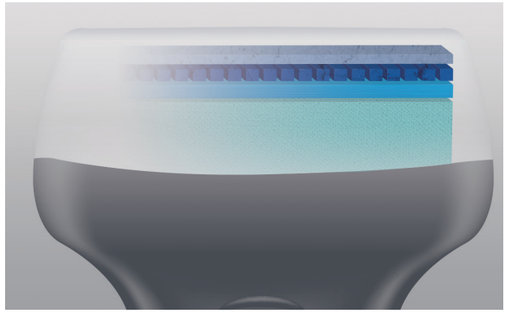
The X-CUBE i9 equips with the X+ Architecture, innovative imaging algorithms and efficient diagnosis workflow to effectively support the diverse range of clinical settings with crystal clear imaging quality. The ultrasound acquisition process enhanced by the signal obtained with the X+ Crystal Signature, a highly sensitive broadband transducer and the high-resolution images generated by the X+ FIT technology, a large-capacity data processing, provide a high-resolution image that allows reliable diagnosis in various applications.

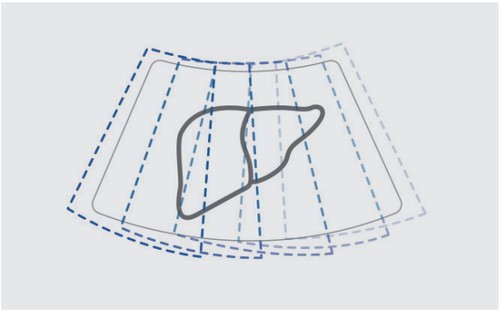
X+ Crystal signature™

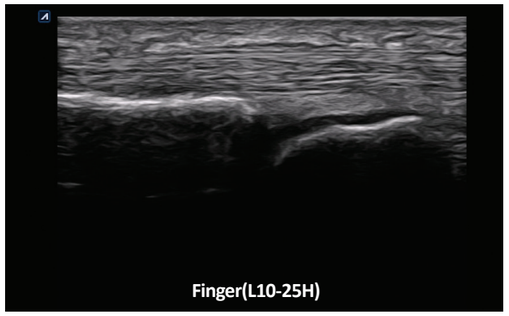
With the use of an upgraded single crystal material, it improves transmittance. In addition, Alpinion's innovative backing material minimizes signal loss, improving penetration and image quality.

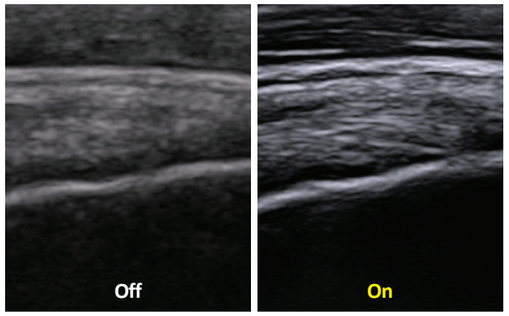
X+ FIT

The sophisticated parallel beamforming technology X+ FIT improves contrast and uniformity for excellent resolution by transmitting, receiving and processing a large amount of data.









High Frequency Transducers

Ultra-high frequency linear transducer, L10-25H, allows superficial regions such as small saphenous vein and peroneal nerve to be displayed more clearly and accurately.

PTHI

With the use of harmonic signal processing technique, it has minimized signal loss, improving the bandwidth of the signal transmitted from the transducer. Artifact has been minimized, and resolution, contrast, and SNR have been improved to elaborately express the lesion without distortion.

X+ Assistant

Keystrokes have been reduced by more than 50% compared to conventional use, reducing examination time. Optimal scanning protocols are registered according to application-specific guidelines and users can optimize.

X+ Compare

Users are able to import previously acquired images from a PACS or hard disk and compare with the current image in real-time scan and in E-view mode for reviewing.

* X+ Compare supports ultrasound studies only.

Power Preset

Users can load a system preset saved in advance with a single button click. By using these quick and easy presets, users can shorten the imaging set up time.

Xpeed™

Simply press the Xpeed™ button once to quickly optimize images in 2D Mode and Spectrum Doppler Mode. Detect, predict, and adjust the Dynamic range level in real-time.

USB Real-time recording

USB real-time recording makes data transfer easier by allowing users to record ultrasound scan images on USB memory in real time. Videos are recorded as high-definition and stored in system quickly.

Intuitive user interface

The intuitive user interface design using icons and illustrations makes it easy to use even for users unfamiliar with ultrasound devices.

Expand Flexibility And Adaptability

X-CUBE i9 frees you from time and space constraints and helps you focus more on your patients. Long-lasting batteries and dual transducers provide flexibility in the examination and the intelligent options help the fast examination and the guide function, which reduces the dependency on operators and maximizes efficiency.

Product Specification

Keyboard Allows User Optimization

15.6inch LCD monitor

Dual Batteries
- 2 Built-in Battery (1 Option)
- Sleep mode: Max. 100 hrs.
  - Continuous scan: Max. 60 min.

Additional Transducer Holder
- 2 transducer holders and 1 gel holder
- Cable management

Fast System Boot-up
- From sleep mode: 15 sec.
- From off mode: 62 sec.

Dual Transducers
- 2 Transducer connectors (1 Option)

Easy Adjustment of Height
- Height: 848 - 998 mm
- Smooth and silent gas lift cylinder

4 Swivel Sheel
- Safety break locks

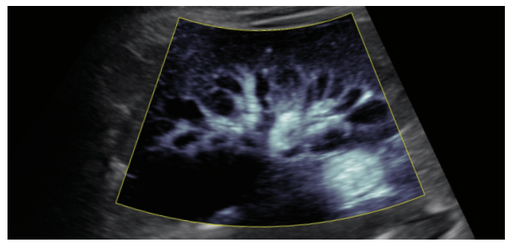
- System Weight: About 6 kg (with 1 battery)
- Cart Weight: 22.5 kg

Carrying Bag

* The cart and carring bag may be available for purchase separately.

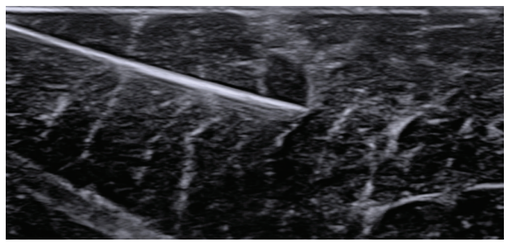
Expanded Capabilities, Elevated Accuracy

X-CUBE i9 offers the best-in-class technology solution to automatically recognize unseen slow blood flow and detect structures to measure length or confirm motility. The X-CUBE i9 helps to improve diagnostic accuracy in internal medicine, musculoskeletal, point-of-care, and every advanced medical facilities in need for ultrasound innovation.



X+ MicroView

X+ MicroView is the vascular imaging mode which displays micro blood flow. Users can observe the low speed blood flow of tiny blood vessel. This technology allows for accurate diagnosis by showing a low-velocity blood flow that has not been seen in the Color Doppler at a high frame rate.



Needle Vision™ Plus

Using Beam Steering technology, this feature is useful in showing the shape and orientation of the needle. The needle can be viewed more clearly by adjusting the beam angle in three steps.

Virtual Convex

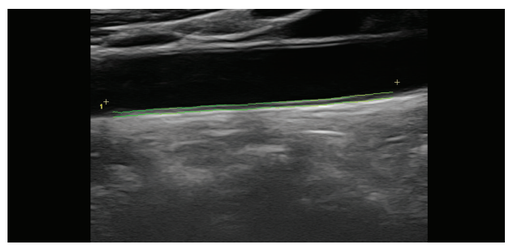
On linear transducers, virtual convex provides a larger field of view in the far field.

Panoramic

Panoramic Imaging offers a horizontal image with an extremely extended field of view.

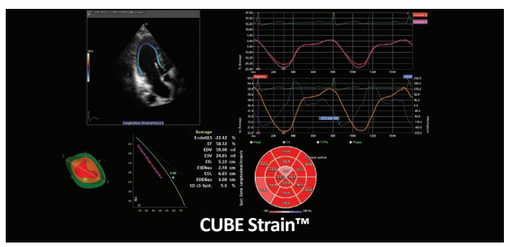
Auto IMT

When the user draws 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.



Echo Package : Auto EF, CUBE Strain™, Stress Echo

It is an automated measurement tool that evaluates the contractile function of the left ventricle. It automatically analyzes end diastolic volume (EDV), end-systolic volume (ESV), and ejection fraction (EF).



Transducers

Developed and Manufactured by ALPINION

✻ A biopsy kit is available

Convex

SC1-7H ✻

X+ Crystal Signature™
High Density Single Crystal Convex
Abdomen, OB/GYN, Pediatric, Urology, EM

Endocavity

EC(V)2-11H ✻

X+ Crystal Signature™
High Density Single Crystal Endocavity
Small tip, FOV Max. 230°
OB/GYN, Urology, EM

Linear

SL3-19H ✻

X+ Crystal Signature™
High Density Single Crystal Linear, Seamless window
MSK, Vascular, Small Parts, Pediatric, EM

L3-8H ✻

High Density Low Frequency Linear
Breast, EM, MSK, Vascular, Small Parts

L10-25H

Wideband Ultra High Freq. Linear
Seamless window
MSK, Vascular, Small Parts, EM

Phased Array

MP1-5X

X+ Crystal Signature™
Phased Array
Fetal, Abdomen, Pediatric, Adult Cephalic, Cardiac, Peripheral vessel

Pencil

CW2.0

Pencil Typed
Cardiac

CW5.0

Pencil Typed
Cardiac

Seamless Transducer

Best fit for needle guides examination with excellent durability and image quality

Its durability is enhanced by using special material instead of rubber, which could be damaged by a needle and cracked during the scan. Thanks to the seamless mold, its easy to clean design may avoid cross contamination and infection. Furthermore as special material has less signal attenuation than conventional rubber, the transducer acquires more clinical information and provides excellent image quality.

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Some clinical images have been enlarged and edited to better show the pathological contetns.

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