ALPINION
MEDICAL SYSTEMS

Best Fit for Your Practice

XCUBE 60

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

Designed to make your daily practice easier.

X-CUBE 60 provides healthcare professionals with a comfortable medical environment.

For confident diagnosis of a variety of diseases and conditions, optimal image performance has been realized with the high-resolution image platform X^{+} Architecture.

X-CUBE 60 is designed to improve work efficiency and reduce user fatigue and risk of injury. Various auto measurement tools designed for seamless workflow quickly obtain results and the larger touch screen and newly customized control panel enhance the diagnosis comfort.

In addition, X-CUBE 60's compact design allows for effective use of constricted scanning space.

Clear images with advanced technology

Clear images provide comfort and confidence in diagnosing a wide range of patients.

Auto measure & Assistant solution

X^+ Assistant and a variety of automated measurement tools reduce the exam times, alleviate fatigue from frequently used functions.

Ergonomic design considering operators

It is ergonomically designed with operators' comfort in mind and compact to increase flexibility in a healthcare environment.

- 320° Articulating monitor arm
- 21.5” Monitor/ 12.1" Touch panel
- Foot & Arm rest for zero stress
- Digital Keyboard/TGC(Slide keyboard option)
- One palm control panel

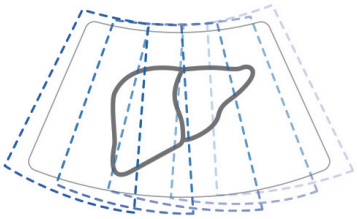
- ±90, 60° Angle adjustable gel warmer/endocavity probe holder
- 710 ~ 925mm height adjustment control panel
- 4 Transducer connector (1 option)
- Swivel Lock

Compact size

- Dimension: 516 x 780 x 1265(W x D x H)
- Weight: 70kg

Advanced Technology Enhances Your Confidence

The excellent image quality of X-CUBE 60 is the result of Alpinion's stand-alone transducer technology and innovative imaging algorithms. A high resolution image allows for comfortable and reliable diagnosis in a wide range of applications.



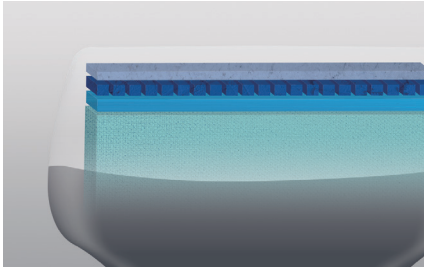
High Resolution
Ultra sound image

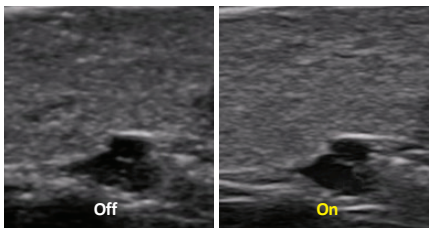
X^+ FIT

The sophisticated parallel beamforming technology X^+ FIT, improves contrast and uniformity for excellent resolution by transmitting, receiving and processing a large amount of data. X^+ FIT promises high image quality for your patient care.

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. This new technology delivers high sensitivity and penetration.

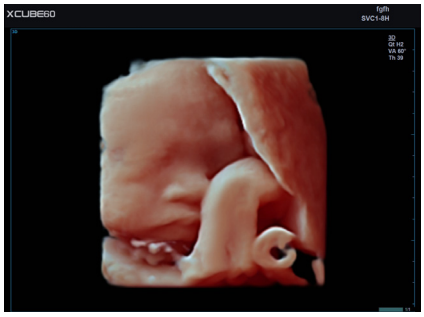


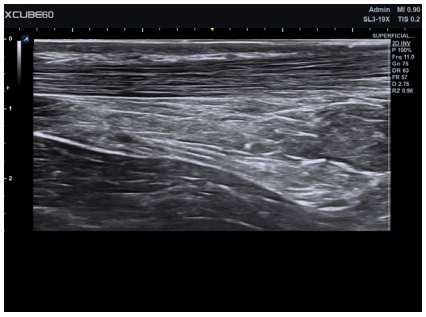


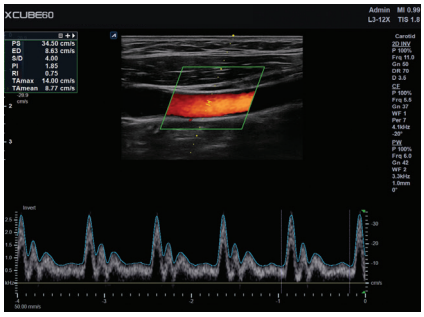
Harmonic imaging

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.

Image gallery







Accelerate Precision of Diagnosis

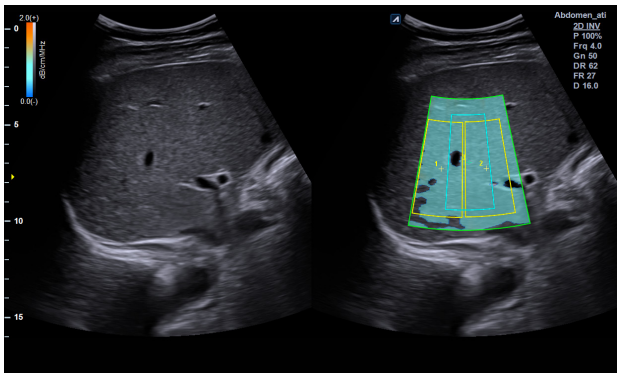
Alpinion provides professional tools for all applications such as internal medicine, obstetrics/gynecology, and musculoskeletal. Advanced features enhance the visualization of micro vessel flow, tissue stiffness and reliability of measurements. This technology helps healthcare professionals achieve accurate decision and smoothly communicate with patients.

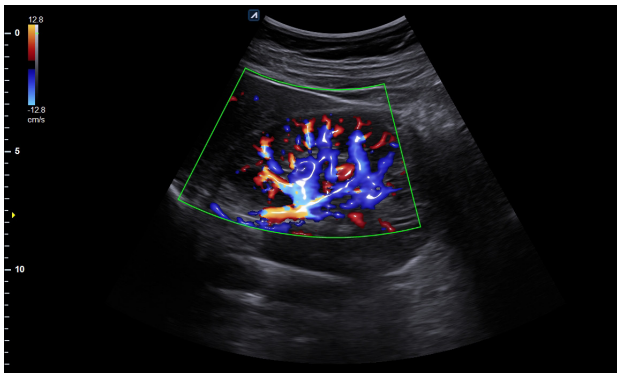
Attenuation Tissue Imaging (ATI)

The ATI quantifies the attenuation to measure the level of steatosis with color-mapped image. The ATI provides quickly calculated value with high reproducibility for diagnosis efficiency.

Brilliant Flow

It is an special visualization impact technology of blood flow. It provides the intuitive understanding of vessel structure and boundaries by images of blood vessels that look like 3D on a 2D gray scale image. It may provide additional spatial information in CF, PDI or X^+ MicroView.





X^+ MicroView

X^+ MicroView is a vascular imaging mode that visualizes micro blood flow in tiny vessels. It enables observation of low-speed blood flow not visible with Color Doppler. High frame rates support more accurate and detailed diagnosis.

Live HQ™

Improved volume rendering enables free control of light direction and diverse color maps. Realistic fetal images enhance anatomical understanding for faster, more accurate diagnosis. It also fosters emotional bonding between the fetus and parents.

Strain Elastography

Elastic ultrasound imaging is an ultrasound imaging technique that revels relative elasticity of tissues against external pressure. It provides additional pathological information, helping to reduce unnecessary biopsies.

CUBE Strain™

As a non-invasive method, it objectively evaluates myocardial function by tracking speckles in 2D cardiac images. This enables quantification of each myocardial segment's movement for accurate assessment.

Contrast Enhancement Ultrasound (CEUS)

This function diagnoses patients by analyzing angiographic patterns as contrast media diffuse through vessels and tissues. CEUS offers significant advantages in various clinical applications, especially for liver disease.

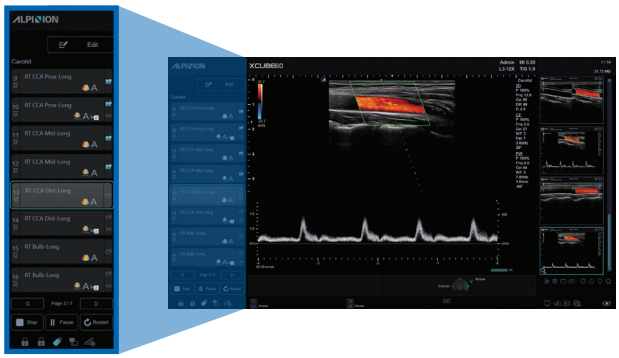
Intelligent Tools for Easier Workflow

Fast and accurate diagnosis is a challenge for every healthcare professional.
The intelligent workflow provided by X-CUBE 60 for enhancing work efficiency delivers ultimate comfort to healthcare professionals.

Digital Keyboard/ TGC

Touch screen supports users' streamlined workflow. Alpinion understands repetitive movement from keyboard to touch screen. To increase the efficiency, drawing TGC and entering text on the touch screen is now possible.

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 protocols personally.

Auto measurement solution

Automated measurement solution increases exam speed and helps enhancing accuracy of exam results reducing user dependency.

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.

Auto EF

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

X+ Auto Biometry

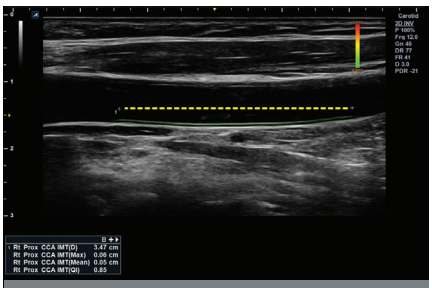
When measuring fetal EFW, Auto Biometry detects fetal HC, BPD, FL, AC, Humerus, and automatically measures the length.

Auto Follicle

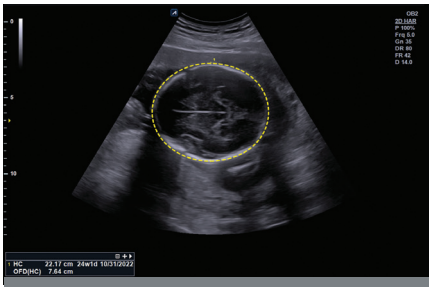
To measure superovulation, this technology counts the number of follicles and measures the volume automatically.

Auto NT

When drawing a ROI box on the area to be measured during a nuchal translucency scan maximum thickness automatically measured.



Auto IMT



Auto Biometry

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

SC2-11H

X+ Crystal Signature™
High Density Single Crystal Microconvex

Abdomen, OB/GYN, Pediatric, Urology

Volume Convex

SVC1-8H

High Density Single Crystal Volume Convex

Abdomen, OB/GYN, Pediatric, Urology

Linear

SL3-19X ✱

X+ Crystal Signature™
Extreme High Density Single Crystal Linear, Seamless window

MSK, Vascular, Small Parts, Pediatric

L3-8H ✱

High Density Low Frequency Linear

Breast, MSK, Vascular, Small Parts

L3-12X ✱

Extreme High Density Linear

MSK, Vascular, Small Parts, Pediatric

L3-15H ✱

High Density Linear

MSK, Vascular, Small Parts

IO3-12

Intraoral Transducer

Small Parts, Superficial

IO7-18

High Frequency Hockey Stick

MSK, Superficial

L10-25H

Wideband Ultra High Frequency Linear, Seamless window

MSK, Vascular, Small Parts

Endocavity

EC(V)2-11H ✱

X+ Crystal Signature™
High Density Single Crystal Endocavity Small Tip, FOV Max. 230°

OB/GYN, Urology

VE3-10H ✱

High Density Volume Endocavity

OB/GYN, Pediatric, Urology

Phased Array

P1-5CT

C-Architecture (PowerView™) Phased Array

Fetal, Abdomen, Pediatric, Adult Cephalic, Cardiac, Peripheral vessel

SP3-8T

Single Crystal Phased Array

Abdomen, Pediatric, Cardiac

Pencil

CW2.0

Pencil Typed

Cardiac

CW5.0

Pencil Typed

Cardiac

CW8.0

Pencil Typed

Cardiac

TEE

TEE3-7

TEE

TEE

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

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