

# 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<sup>+</sup> 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<sup>+</sup> 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 (1option)
- Swivel Lock

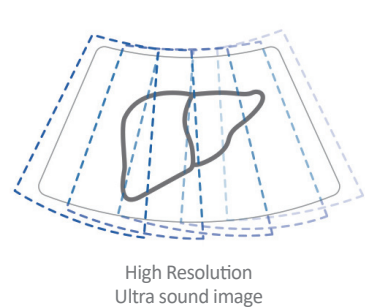
### Compact size

- 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.

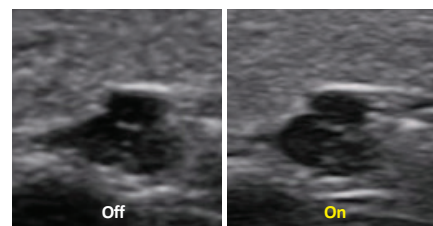
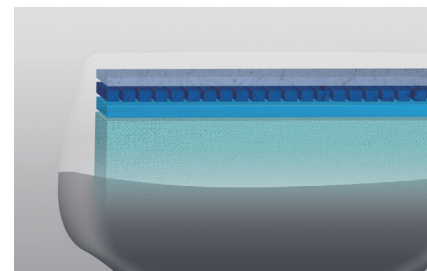


The sophisticated parallel beamforming technology X<sup>+</sup> FIT, improves contrast and uniformity for excellent resolution by transmitting, receiving and processing a large amount of data. X<sup>+</sup> FIT promises high image quality for your patient care.

## X<sup>+</sup> 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

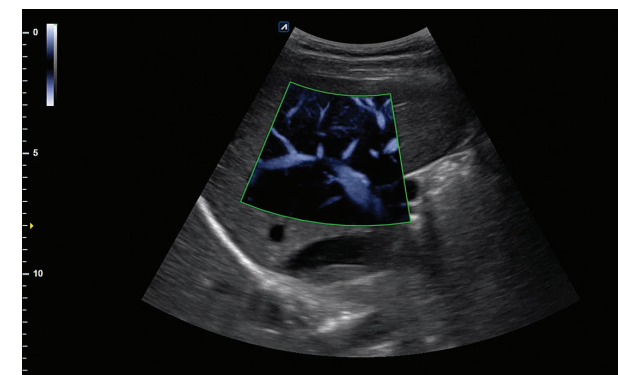


# Accelerate Precision of Diagnosis

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.

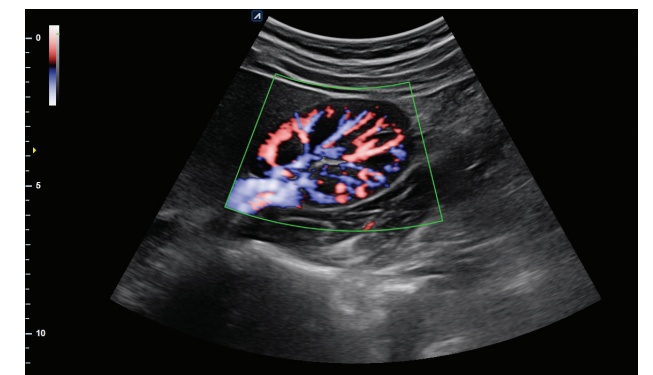
## X<sup>+</sup> MicroView

X<sup>+</sup> 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.



## DPDI

It is Power Doppler technology that shows blood flow direction information together with higher sensitivity than Color Doppler. It is useful for detecting the slow blood flow rate of peripheral blood vessels. (e.g. renal blood vessels, peripheral blood vessels, middle cerebral arteries, etc.)



## Live HQ™

Improved volume rendering technology allows for free movement of light direction and various color maps. Realistic volume image improves anatomical understanding of the fetus, allowing accurate and quick diagnosis. It also helps to form an attachment relationship between the fetus and the parent.

## Strain Elastography

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

## CUBE Strain™

As a non-invasive examination method that evaluates myocardial function more objectively, it allows medical practitioners to confirm quantified data by tracking the speckle of 2D cardiac images and digitizing the movement of each myocardial segment.

## CEUS(Contrast Enhancement Ultrasound)

This is a function to diagnose patients using various angiographic patterns that appear while a contrast medium, administered intravenously, diffuses in blood vessels and organ tissue. CEUS has many advantages in various clinical indications for liver disease.

# Intelligent Tools for Easier Workflow

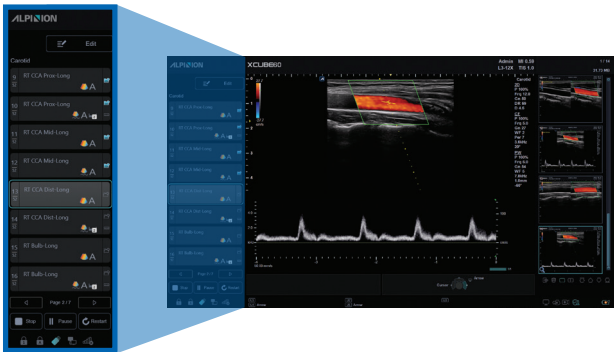
Fast and accurate diagnosis is a challenge for every healthcare professional. The intelligent workflow provided by X-CUBE 60 for enhancing work efficiency delivers ultimate comfort to healthcare professionals.

## 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<sup>+</sup> Assistant

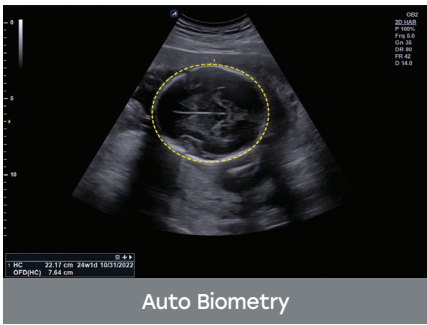
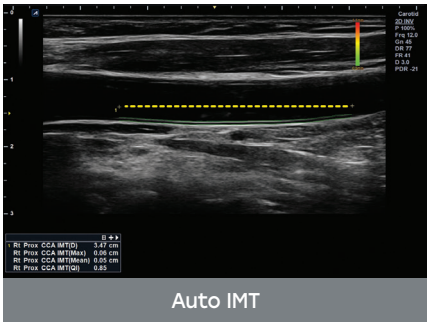


Keystrokes have been reduced by more than 50% compared to conventional use, reducing examination time. Optimal scanning protocols are registered according to application-specific guidelines and users can optimize protocols personally.

## 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<sup>+</sup> 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.



# Transducers Developed and manufactured by ALPINION

\* A biopsy kit is available

| Convex                                                                                                                                                            |                                                                                                                                           | Volume Convex                                                                                                                                         |                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                   |                                                                                                                                           |                                                                                                                                                       |                                                                                                                                      |
| <b>SC1-7H *</b><br>X <sup>+</sup> Crystal Signature™<br>High Density Single Crystal Convex<br>Abdomen, OB/GYN, Pediatric, Urology, EM                             | <b>SC2-11H</b><br>X <sup>+</sup> Crystal Signature™<br>High Density Single Crystal Microconvex<br>Abdomen, OB/GYN, Pediatric, Urology, EM | <b>SVC1-8H</b><br>High Density Single Crystal Volume Convex<br>Abdomen, OB/GYN, Pediatric, Urology, EM                                                |                                                                                                                                      |
| Linear                                                                                                                                                            |                                                                                                                                           |                                                                                                                                                       |                                                                                                                                      |
|                                                                                                                                                                   |                                                                                                                                           |                                                                                                                                                       |                                                                                                                                      |
| <b>SL3-19X *</b><br>X <sup>+</sup> Crystal Signature™<br>Extreme High Density Single Crystal Linear, Seamless window<br>MSK, Vascular, Small Parts, Pediatric, EM | <b>L3-12X *</b><br>Extreme High Density Linear<br>MSK, Vascular, Small Parts, Pediatric, EM                                               | <b>L3-15H *</b><br>High Density Linear<br>MSK, Vascular, Small Parts, EM                                                                              | <b>L3-8H</b><br>High Density Low Frequency Linear<br>Breast, EM, MSK, Vascular, Small Parts                                          |
| Endocavity                                                                                                                                                        |                                                                                                                                           | Phased Array                                                                                                                                          |                                                                                                                                      |
|                                                                                                                                                                   |                                                                                                                                           |                                                                                                                                                       |                                                                                                                                      |
| <b>L10-25H</b><br>Wideband Ultra High Freq. Linear<br>Seamless window<br>MSK, Vascular, Small Parts, EM                                                           | <b>VE3-10H *</b><br>High Density Volume Endocavity<br>OB/GYN, Pediatric, Urology, EM                                                      | <b>EC(V)2-11H *</b><br>X <sup>+</sup> Crystal Signature™<br>High Density Single Crystal Endocavity<br>Small tip, FOV Max. 230°<br>OB/GYN, Urology, EM | <b>P1-5CT</b><br>C-Architecture(PowerView™)<br>Phased Array<br>Fetal, Abdomen, Pediatric, Adult Cephalic, Cardiac, Peripheral vessel |
| Pencil                                                                                                                                                            |                                                                                                                                           |                                                                                                                                                       |                                                                                                                                      |
|                                                                                                                                                                   |                                                                                                                                           |                                                                                                                                                       |                                                                                                                                      |
| <b>CW2.0</b><br>Pencil Typed<br>Cardiac                                                                                                                           | <b>CW5.0</b><br>Pencil Typed<br>Cardiac                                                                                                   | <b>CW8.0</b><br>Pencil Typed<br>Cardiac                                                                                                               |                                                                                                                                      |



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

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