

Essential solution accessible to all  
**XCUBE i8**



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

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# Excellent Imaging for Versatile Diagnostics

X-CUBE i8, equipped with innovative X+ FIT beamforming technology and its large capacity data processing, delivers high-resolution images for reliable diagnosis across various applications.

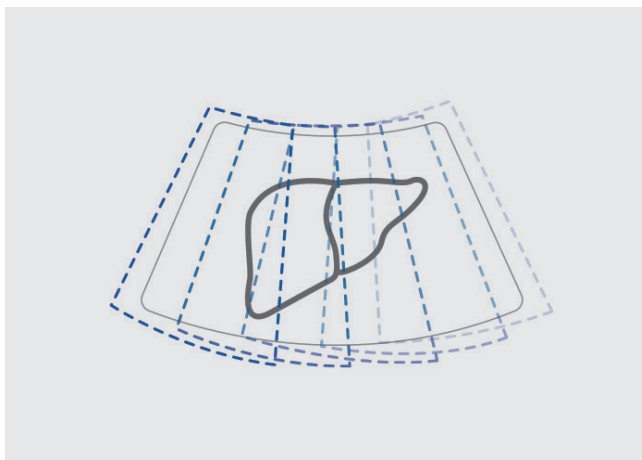
Experience best-in-class image quality with the X-CUBE i8.



Utilizing sophisticated parallel beamforming technology, X+ FIT efficiently exchanges and processes a wealth of data, achieving excellent resolution through enhanced contrast and uniformity.

## PTHI

PTHI employs advanced harmonic signal processing technique to minimize signal loss, and enhance signal bandwidth from the transducer. Improved resolution, contrast, and SNR, combined with minimized artifacts, ensure accurate lesion depiction without distortion.



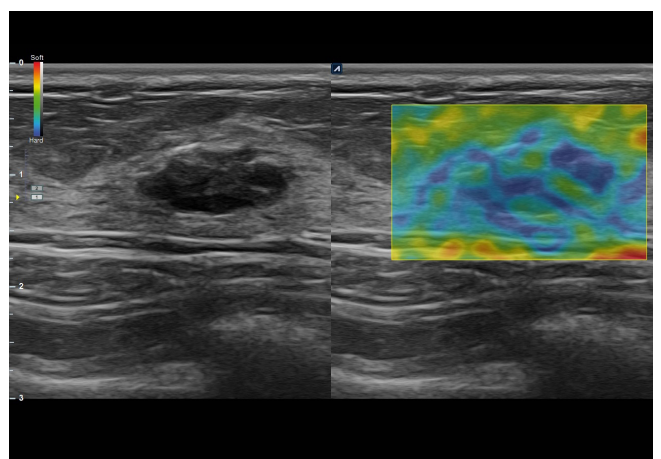
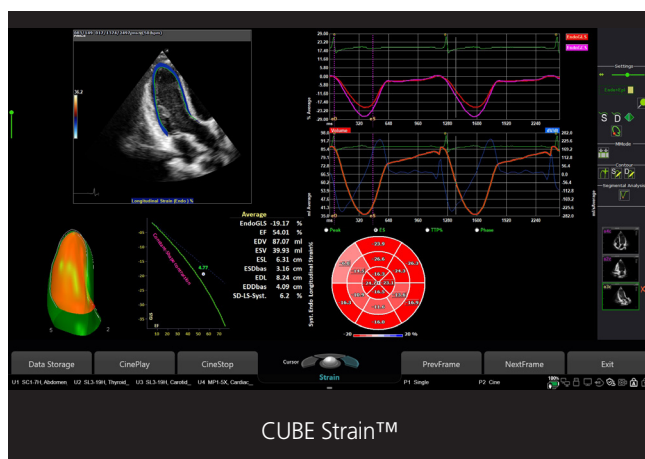
# Advanced Features

## AutoEF & CUBE Strain™

An automated measurement tool for assessing left ventricle contractile function. It automatically analyzes end diastolic volume (EDV), end-systolic volume (ESV), and ejection fraction (EF), enhancing diagnostic accuracy and efficiency with X-CUBE i8.

## Elastography

Displays relative elasticity of tissues against external pressure. Indication bar is marked with the scale of one to six for enhancing credibility of results.



MSK



Vascular



Primary Care



OBGYN



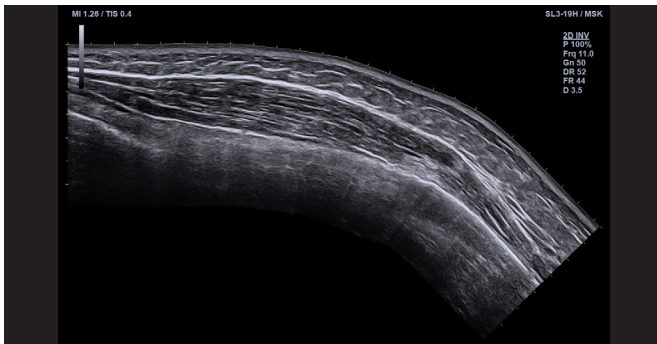
# Versatile Diagnostic Performance

## Musculoskeletal

### Clinical benefit

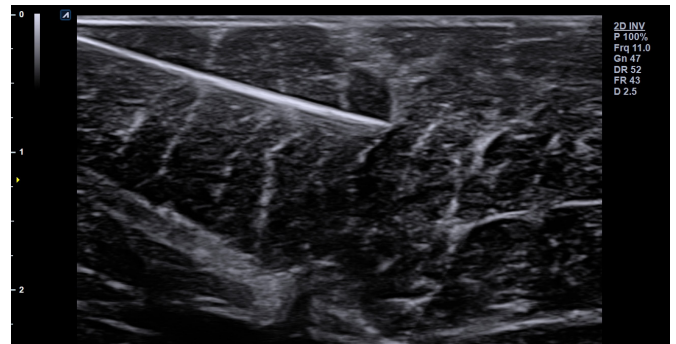
- Needle visualization is crystal clear.
- Inversion harmonic imaging offers exceptional tissue differentiation.
- Live dual mode enables real-time image comparison on dual screens, simplifying pathology assessment.
- Fast 15-second wake-up from sleep mode.

### Features



#### Panoramic

Panoramic Imaging provides an extremely wide, extended horizontal field of view.



#### Needle Vision™ Plus

Enhance needle visibility with a three-step beam angle adjustment.

## Primary Care

### Clinical benefit

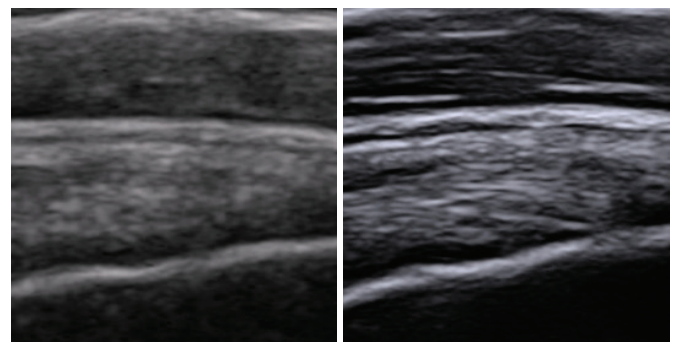
- Effortlessly obtain ejection fraction and strain results.
- Boost efficiency with the auto sequencing feature.
- High portability with superb imaging.
- Excellent flexibility with 2 transducer connectors and 2 batteries.

### Features



#### DPDI

Directional Power Doppler Imaging detects slower blood flow in peripheral vessels.



#### Xpeed™

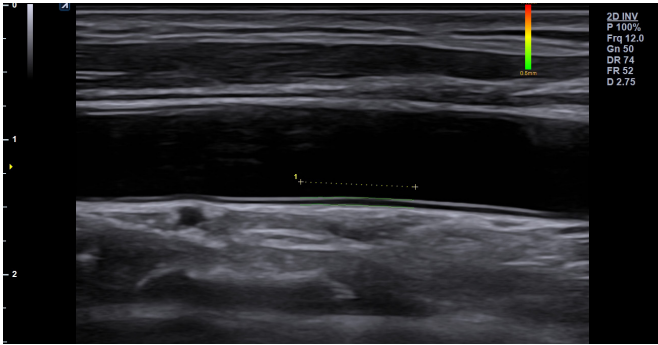
Simply press the Xpeed button for instant image optimization in 2D and spectral Doppler modes for various clinical cases.

# Vascular

## Clinical benefit

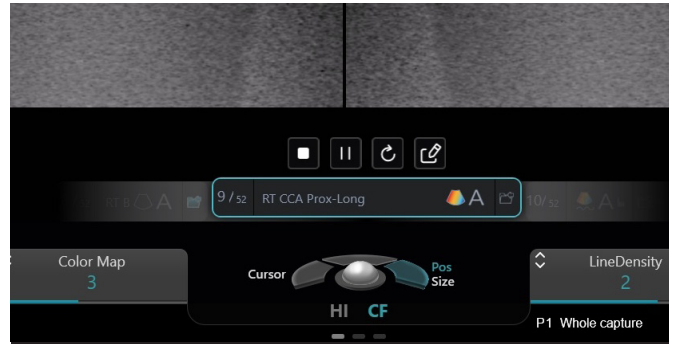
- High frame rate and sensitive Doppler imaging.
- Optimized work efficiency with automatic measurements.
- Seamless flow with cart for easy maneuvering.
- Full-screen mode magnifies small vessels.

## Features



### Auto IMT

Carotid intima-media thickness is automatically measured and displayed on-screen when the user draws a line in the area.



### X+ Assistant

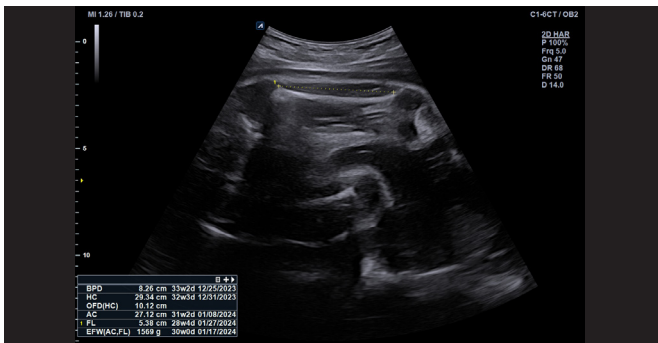
Registered sequences reduce keystrokes by over 50% compared to conventional use.

# OBGYN

## Clinical benefit

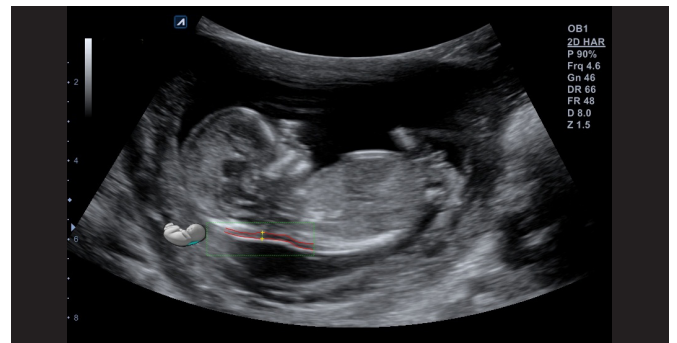
- X+ FIT technology delivers comprehensive clinical insights.
- Intelligent tools save time with high accuracy.
- Streamlined workflow through auto measurements and post-acquisition processing.
- CUBE Note enables easy transfer of fetus images from X-CUBE i8 to a mobile device.
- Carrying bag - Carrying bag includes 3 transducer pouches \* The cart and carrying bag are available for purchase separately

## Features



### X+ Auto Biometry

The system detects fetal HC, BPD, FL, AC, and humerus, then automatically measures their lengths and calculates the estimated fetal weight(EFW).



### Auto NT

During a nuchal translucency scan, the maximum thickness is automatically measured by drawing an ROI box in the area.

# Enhance Flexibility and Adaptability

X-CUBE i8 frees you from the constraints of time and space, enabling you to focus more on your patients. Featuring a dual transducer connector and a long-lasting battery, it offers unmatched flexibility during examinations. Its intelligent options streamline examinations, incorporating a guide function to minimize the dependency on the operator in order to maximize efficiency.

## Product Specification

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

### Keyboard Allows User Optimization

### Additional Transducer Holder

- 2 transducer holders and 1 gel holder
- Cable management

### Fast System Boot-up

- From sleep mode : 15 sec.
- From off mode : 90 sec.

### 4 Swivel Wheels

- Safety break locks



### 15.6inch LCD monitor

### Dual Batteries

- 2 Built-in Battery (1 Option)
- Continuous scan : Max. 60 min.

### Dual Transducers

- 2 Transducer connectors (1 Option)

### Easy Adjustment of Height

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



## Transducers

Developed and Manufactured by ALPINION

\* A biopsy kit is available

### Convex



#### C1-6CT \*

C-Architecture  
(PowerView™) Convex

Fetal, Abdominal, Pediatric, Musculoskeletal(MSK),  
Peripheral vessel, Urology

### Phased Array



#### P1-5CT

C-Architecture  
(PowerView™) Phased Array

Fetal, Abdominal, Pediatric, Adult cephalic,  
Cardiac, Peripheral vessel

### Endocavity



#### EC(V)3-10T \*

Endocavity

Fetal, Trans-rectal, Trans-vaginal,  
Peripheral vessel, Urology

### Linear



#### L3-8H \*

High Density Low  
Frequency Linear

Breast, EM, Musculoskeletal(MSK),  
Vascular, Small Parts



#### L3-12T \*

Linear

Abdominal, Pediatric, Small organ,  
Neonatal cephalic, Musculoskeletal(MSK),  
Peripheral vessel

### Pencil



#### CW2.0

Pencil Typed

Cardiac



#### CW5.0

Pencil Typed

Cardiac