

# ECUBE 15 PLATINUM



**ALPINION MEDICAL SYSTEMS Co., Ltd.**

Verdi Tower, 72, Digital-ro 26-gil, Guro-gu, Seoul, 08393, Korea

**Homepage** [www.alpinion.com](http://www.alpinion.com)

**E-mail** [international@alpinion.com](mailto:international@alpinion.com)

**TEL** +82-2-3282-0900

**FAX** +82-2-851-5591

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

# ECUBE 15 PLATINUM

Quality in your daily practice

**ALPINION**  
MEDICAL SYSTEMS

Copyright©2017 ALPINION MEDICAL SYSTEMS CO., LTD. All rights reserved.  
Catalogue contents may change without prior notice to customers due to performance enhancements.

MKT-E15-OBG-PC-E1704-V4.0

**ALPINION**  
MEDICAL SYSTEMS

**ALPINION MEDICAL SYSTEMS**  
We are Ultrasound Professionals



# E-CUBE 15 Platinum

## Quality in Your Daily Practice

In a fast-paced medical care environment, demand continues to increase among medical practitioners for ultrasound diagnostic systems that offer accuracy and convenience in diagnosis process. Alpinion placed its focus on customer-oriented research and development activities to improve diagnosis environment in medical facilities; offer convenient functions with stability in performance; and enhance efficiency in workflow. E-CUBE 15 Platinum is a high-performing diagnostic ultrasound system with its diagnosis process meeting all of your demands.

Sophisticated system and new UI(User Interface) design of E-CUBE 15 Platinum will add premium value to your daily practice. Combination of a vast range of features and the powerful architecture applied will provide superb image quality and help you facilitate productive diagnostic exams. In turn, you shall be able to spare extra time for communicating with individual patients to offer the quality care.

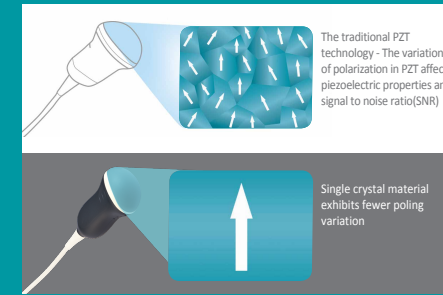




# Excellence in **image quality** helps you make clinical decisions with confidence.



## Superb Image Quality

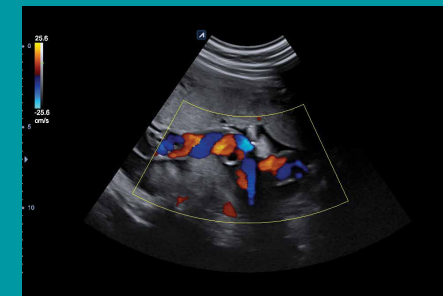


The traditional PZT technology - The variations of polarization in PZT affects piezoelectric properties and signal to noise ratio(SNR)

Single crystal material exhibits fewer poling variation

### Crystal Signature™

Transducers, applied with Alpinion's own single crystal technology, will maximize the penetration to enable high-resolution imaging processes. Superior single crystal transducers result in a wide bandwidth and higher sensitivity that provide higher resolution and superior image quality to you.



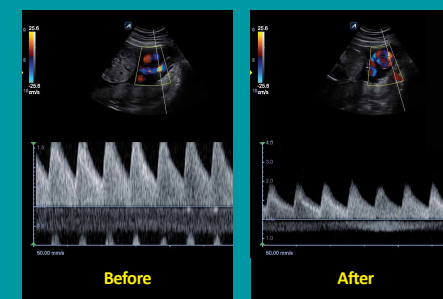
### Enhanced Doppler performance

E-CUBE 15 Platinum deploys its new hardware to improve resolution and contrast of 2D images and uniformity of the images. Two individual pulsers of H/W architecture separately control each signals of 2D mode and Doppler to improve Doppler image quality while keeping the fundamental image quality, which also compounds better Doppler signals and controls focusing of transmitted signals in each mode to ultimately provide clearer and more precise images.



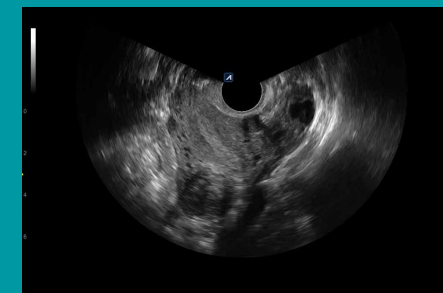
### Write Zoom

The advancement of SW Beamforming performance improves the resolution and image pattern recognition of write zoom in 2D mode. With this enhanced zoom function, you can much more clearly see small details such as fetal organs.



### Advanced Xpeed™

The improvement of Xpeed™ with the precision optimized technology applied enables E-CUBE 15 Platinum to detect and predict dynamic range levels in real time in 2D-mode and in Spectral Doppler mode. The optimized clinical images with the lowest noise levels and the improved processing speed speed up your daily practice providing clinical confidence.



### Wide angle endovaginal transducer

The endovaginal transducers (EV3-10X / EC3-10X) provide wide angle FOV (Max. 230°) and high-resolution images to enhance accuracy and speed in diagnosis. For instance, the transducers offer multiple information on a single image when making diagnosis of uterus and uterine appendages. Furthermore, the transducers can have their motion minimized to thus reduce discomfort for patients.



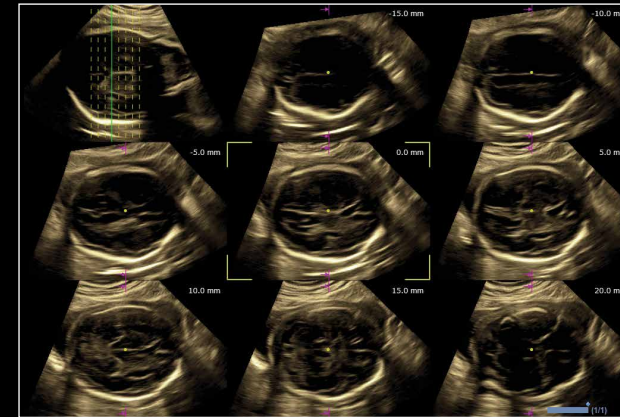
# Quality Images in Your Daily Practice



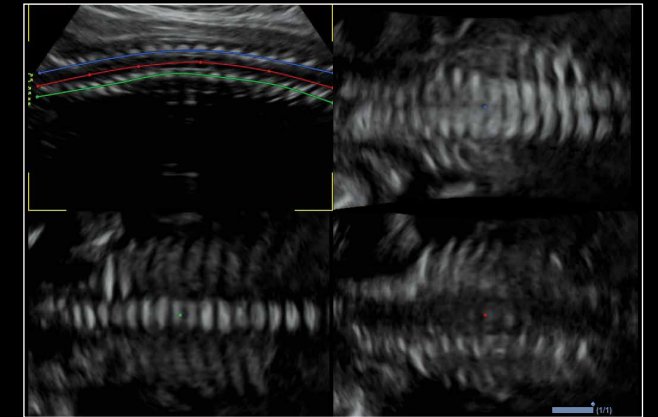
Fetus at 12 weeks in 2D



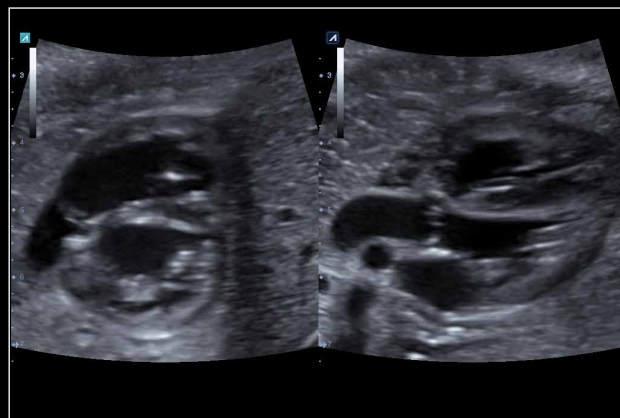
Fetus at 24 weeks in 2D



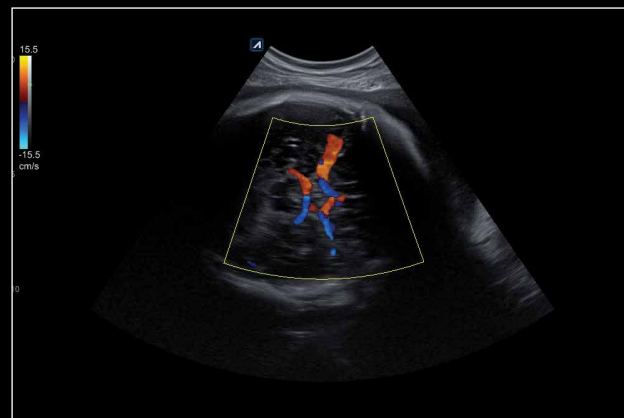
Fetal brain with Free Angle MSV (Volume Advance™)



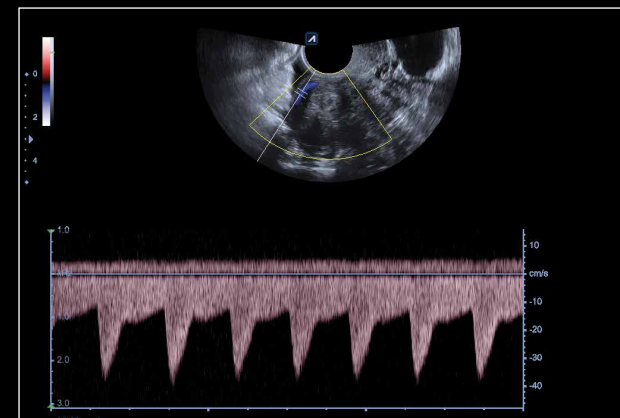
Fetal spine with AnySlice™ (Volume Advance™)



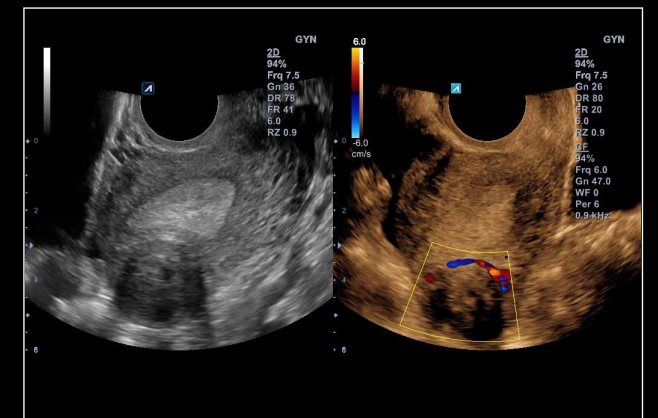
Write zoom fetal heart in Dual mode



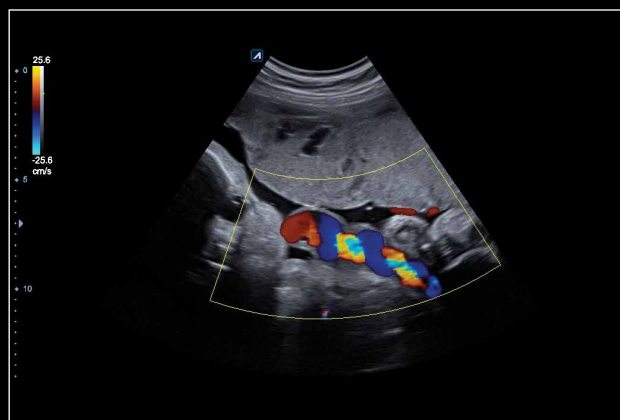
Middle cerebral artery in Color



Uterine artery in PW



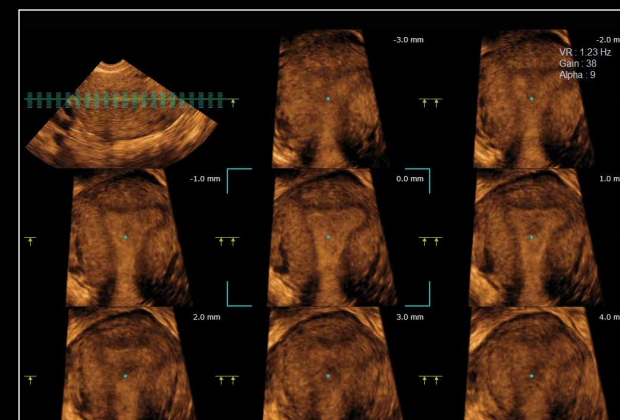
Uterine fibroid in Dual Live mode



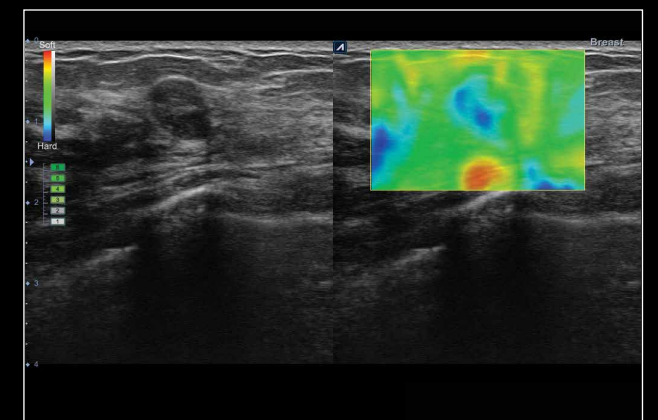
Umbilical artery in Color



Fetus in 3D



Uterus with Free Angle MSV (Volume Advance™)



Breast with Elastography



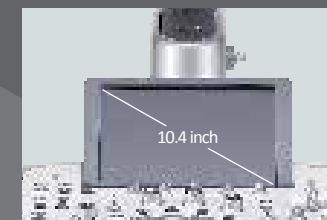
Simplicity of system **design**  
enhances your convenience in daily practice.

## Ergonomic Design in Metallic Color: Grey or White



### 21.5-inch full HD LED monitor

High-resolution monitor of 1,920x1,080 pixels provides clear clinical images. IPS(In-Plane Switching) technology offers wide viewing angle. In addition, undistorted images, regardless of user locations and environment, achieve accuracy and convenience in diagnosis.



### 10.4-inch touchscreen

Convenience in workflow is drastically enhanced with combination of touchscreen with high sensitivity equivalent to tablet PCs and up-to-date UI design.



### Motorized-height adjustment of control panel

With an up down push button, the adjustment of height of control panel is made easier.



### Built-in gel warmer

Temperature can be controlled by three levels to flexibly adjust to different diagnostic exam circumstances to ensure patient comfort.



### Articulating monitor arm

With the fully articulating monitor arm, users can freely place the monitor without any limitation from the patient position. The monitor can move can move 140mm up and down, swivel +/-90° and tilt +15°/-90°.



### Transducer cable holders

Four transducer cable holders are available at your convenience. Users can keep the transducer cables neatly organized.

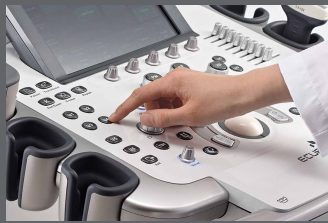


## Intuitive and Efficient User Experience



### New user interface

With the latest GUI design, which offers high readability, access to essential functions and modes becomes easier and faster.



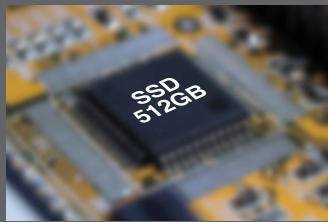
### New control panel

These configurable six keys are arranged in the most intuitive layout to ensure efficiency in diagnosis process. Less number of keystrokes would reduce fatigue from use while increasing the speed of exams. The backlight of panel can be adjusted to user environment.



### Power preset

With a single touch, users are able to preset system tailored to their preferences. Easy and fast "Preset" lessens the burden and time wasted for setting images.



### Enhanced computing power

E-CUBE 15 Platinum offers high data processing speed with its 512 GB SSD memory. It boasts booting time as short as approximately 60 seconds and faster operating speed thus to reduce time for your diagnosis practice.



Simplicity of workflow **design** improves quality of patient care in daily practice.





Advancement of **technology** offers assistance in making informed decisions.

## Enhanced Visualization



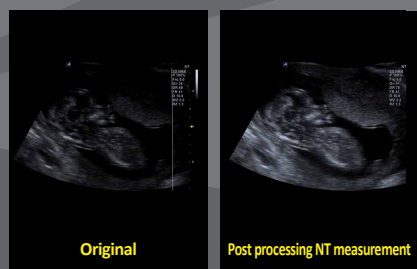
### DPDI (Directional Power Doppler Imaging)

The technology brought improvement in delivering information related to direction of blood flow and sensitivity of Color Doppler. This is useful in sensing relatively slower blood flow in peripheral blood vessels (e.g. renal vessels, peripheral vessels and middle cerebral artery).



### Live HQ™

With improved volume rendering technology, free movement of the light source and optimized color map have been made possible. All of these enable acquisition of more detailed information and realistic volume images. Thus Live HQ™ enhances level of understanding in anatomical knowledge of fetus for diagnosis with accuracy and speed.



### Raw data post processing

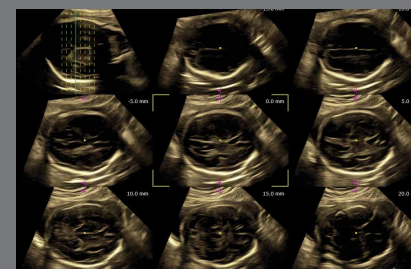
Acquired images can be post processed based on raw data. For images that are already stored, adjustment of parameters and re-measurement are available that users can make in-depth diagnosis and tracking observation after initial diagnosis.

## Intelligent Analysis Tools



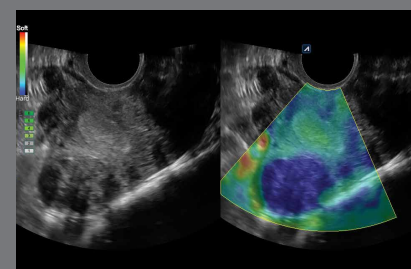
### Auto NT

By designating ROI box on a desired part of nuchal translucency layer, the maximum value is automatically measured. Accurate and speedy measurement enables a swift examination in fast-paced medical scenes.



### Volume Advance™

On top of the Volume Master™ (Multi Planar Rendering, Cube CT, Multi Slice View), Volume Advance™ provides following functions to handle volume data: Free Angle MSV, AnySlice™, and Volume Analysis. Desired section can be sliced to display consecutively that anatomical and pathological characteristics and volume information can be delivered with accuracy and detail.



### Elastography

Elastography is ultrasound imaging technology that reveals relative elasticity of tissues against external pressure. In parallel, relevant pathological information is offered to help reduce unnecessary biopsy. Pressure level on tissues can be monitored real time with an indication bar marked with its scale of one (1) to six (6) to enhance credibility of results.

## Transducers

Developed and manufactured by ALPINION for unrivalled acoustic performance

\* A biopsy kit is available

### Convex



**SC1-6H \***  
High density single crystal  
OB/GYN, Abdomen,  
Emergency Medicine (EM)



**SC1-4H \***  
High density single crystal  
Abdomen, OB/GYN,  
Emergency Medicine (EM)



**SC1-4HS \***  
Wide angle high density  
single crystal  
Abdomen, OB/GYN,  
Emergency Medicine (EM)



**SVC1-6H**  
High density single crystal  
volume  
Abdomen, OB/GYN,  
Emergency Medicine (EM)

### Linear



**L8-17X \***  
Extreme high density,  
58.2mm wide aperture  
Breast, Musculoskeletal (MSK),  
Emergency Medicine (EM),  
Small Parts



**L3-12X \***  
Extreme high density,  
58.2mm wide aperture  
Breast, Musculoskeletal (MSK),  
Emergency Medicine (EM),  
Small Parts



**L3-12H \***  
High density  
Breast, Musculoskeletal (MSK),  
Emergency Medicine (EM),  
Vascular, Small Parts



**L3-8H \***  
High density low frequency  
Vascular, Breast, Musculoskeletal  
(MSK), Emergency Medicine  
(EM), Small Parts, Appendix



**IO8-17**  
High frequency hockey stick  
Small Parts (Superficial),  
Musculoskeletal (MSK)

### Endocavity



**EV3-10X \***  
Extreme high density  
OB/GYN, Urology,  
Emergency Medicine (EM)



**EC3-10X \***  
Extreme high density  
OB/GYN, Urology,  
Emergency Medicine (EM)



**VE3-10H \***  
High density volume  
endocavity  
OB/GYN, Urology

### Phased Array



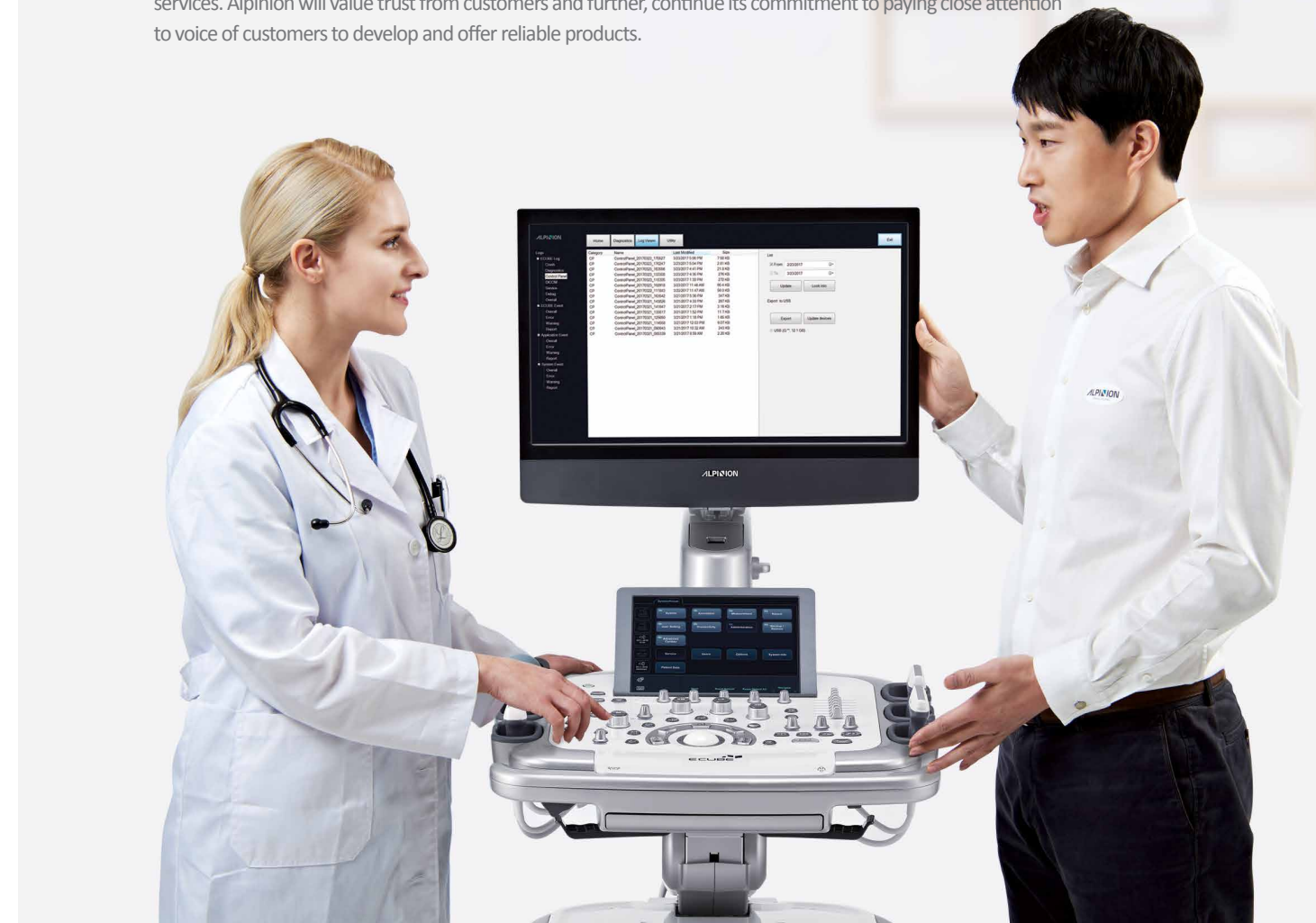
**MP1-5X \***  
Multi-active layer  
Abdomen, Cardiac,  
Emergency Medicine (EM)



**SP3-8 \***  
Single crystal  
Abdomen, Cardiac,  
Emergency Medicine (EM)

# The confidence of system

We are committed to prioritize our customers who continue their efforts in swift and accurate diagnosis in every-day medical practices. Our major efforts include keeping high performance system up to date; pursuing product design with high durability in multiple times of examinations; and aiming simplicity in software to ensure usability. Further, we have been developing a variety of accessible service tools to offer customers speedy product services. Alpinion will value trust from customers and further, continue its commitment to paying close attention to voice of customers to develop and offer reliable products.



### Convenient System Update

With Alpinion's unique imaging platform, FL-eXcan™ Pro Architecture, consistency in image quality and convenience in system upgrade have been made possible throughout entire product life cycle. All core elements of the diagnostic ultrasound system are software-base that customers are able to keep their system up to date with easy and speedy upgrades.

### Smart Data Protection

E-CUBE 15 Platinum can store and protect patient information with its Patient Lock function. With the function, patient information can be protected against the accidental deletion. As users are able to manage patient information while diagnosis mode is on, E-CUBE 15 Platinum can protect important information against batch edit and/or deletion.

### High Quality Transducers

Alpinion has developed its own transducers to manufacture in its own facilities. Ergonomically designed products use lightweight and flexible cables to reduce fatigue of users. Durable connectors and sturdy exterior materials are designed to assure convenience and durability in any environment. Furthermore, Alpinion operates its own maintenance and warranty service teams for prompt response to customers' request.