The Value
Innovative Ultrasound System

Professional Concept for
Internal Medicine

Alpinion Medical Systems
E-CUBE 9’s IM Technology Solutions Offers Excellent Imaging Performance for a Fast, Easy, and Accurate Diagnosis

Through the integration of ALPINION’s entire suite of core imaging technologies, the E-CUBE 9 provides consistently outstanding performance, superior image quality, fast workflow, and ease of use, along with optimized features for Internal Medicine diagnosis.

Uncompromising Image Performance

Superb Image Performance
Optimal Imaging Suite™, ALPINION’s integrated post-processing software set offers outstanding fundamental image with spatial compounding of optimized images and powerful color and PW, CW Doppler performance for the abdominal, vascular routine exams and cardiac screening.

FullSRI
ALPINION’s unique speckle reduction filtering technology (FullSRI) removes artifacts and enhances tissue edges to create an accurate diagnostic image of the complex organs.

THI (Tissue Harmonic Imaging)
THI (Tissue Harmonic Imaging) creates images that are derived from the higher frequency, second harmonic sound produced when the ultrasound pulse passes through tissue within the body. E-CUBE 9 provides THI technology that is optimized for the internal medicine application with enhanced diagnostic efficiency. FTHI (Frequency THI) offers clear images without frame rate reduction and PI THI (Pulse Inversion THI) provides enhanced images, improved contrast resolution and reduced noise and artifacts.

Spatial Compounding
Spatial Compounding is an imaging technology that combines a wide variety of received scan angles to create an image with enhanced contrast resolution and decreased speckle artifacts.

Internal Medicine Specialized Features for Accurate Diagnosis

Auto IMT
Auto IMT automatically determine the thickness of the near and far arterial walls from carotid artery for evaluating asymptomatic patient’s risk of developing cardiovascular disease. What distinguishes the E-CUBE 9 is that it provides easy and accurate Mean, Max, Standard Deviation and Quality Index at the touch of a single button.

Anatomical M-mode
Anatomical M-mode allows for acquisition of the more accurate M-mode by allowing angle correction and makes easier to keep the M-mode line perpendicular to the anatomy, even in abnormally shaped or positioned hearts.

Virtual Convex
E-CUBE 9’s Virtual Convex imaging provides an extended imaging area from a linear transducer, using a trapezoid imaging mode that eliminates blind spots and improves the accuracy of injection procedures in small parts treatment.

Dual Live
Dual Live mode enhances efficiency in common internal medicine examinations by offering the operator a simultaneous single-screen display of a clear 2D image and a high-performance Color Doppler image.

Panoramic Imaging
The E-CUBE 9 provides panoramic imaging for bulky organs and masses for ease of measurement and diagnostic efficiency, rapidly generating accurate information on the position of lesions.

Easier and Faster Diagnosis

Optimized One-button Control
The Xpeed™ supports an efficient workflow by enabling the rapid optimization of the 2D, color and Doppler flow mapping with a simple ‘one-touch button’.

Ergonomic Design for User Convenience
The E-CUBE 9’s simple user-defined keys and collection of intelligent keys allow instant access to frequently used functions for a streamlined workflow.

Flexible Monitor Position Control
A flexible monitor arm, designed for the comfort of users and patients during examinations, enables an easy movement in any direction with minimal effort.

Uncompromising Image Performance

FleXcan Architecture™, ALPINION’s unique ultrasound imaging platform, provides an advanced acoustic processing flow that allows users to acquire high-definition images of soft tissue structures for an accurate Internal Medicine application diagnosis.

Internal medicine specialized features for accurate diagnosis

Premium Class Transducer Set - Optimized for Internal Medicine Imaging
SP1-5*, L3-8, L3-12, L3-12H, C1-6, SC1-6*
*means single crystal transducer
About ALPINION MEDICAL SYSTEMS

ALPINION Medical Systems was established in 2007 as a true value innovator of core technologies for diagnostic and High-Intensity Focused Ultrasound (HIFU) therapeutic systems with advanced piezoelectric and single crystal transducer technologies. We are a technology-oriented company with 70% of our resources devoted to R&D. The parent company of ALPINION, ILJIN Group, was established in 1967 as a leader in advanced technologies such as electrical systems, medical devices, architecture & design, finance, and broadcasting. ILJIN Group is one of Korea’s most exemplary companies with over 2,500 employees and revenue of KRW 2 trillion in 2010.