ECUBE 15 EX
Confident Diagnosis, Confident Decisions

ALPINION MEDICAL SYSTEMS
We are Ultrasound Professionals
E-CUBE 15 EX Value Creation

**Optimal Imaging Suite™**
Image Quality Enhancements

Optimal Imaging Suite™, ALPINION’s integrated image post processing software set, provides better border definition and increased contrast resolution by reducing artifacts while maintaining true tissue appearance.

**FleXcan™**
Easy upgrade with new technology and features

FleXcan™, ALPINION’s software based imaging platform, is the foundation of the E-CUBE. It allows us to remain responsive to customer needs as well as user’s system up to date with reliable performance and improved productivity during the lifetime of the product.

**SensitiView™**
Deep penetration without sacrificing high resolution

**Crystal Signature™**
Greater sensitivity, Wider bandwidth, Higher resolution

**CSA™ (Clear Signal Amplifier)**
Rx Signal Amplifier boosting sensitivity

**Low loss cable**
A low loss cable enables the Rx signal to travel further

**Matching network**
The perfect impedance matching of the transducer and system

Versatile and Perfectly Fine-tuned

The E-CUBE 15 EX provides progressive and versatile diagnostic solutions with exceptional performance and excellent image quality that enhance diagnostic confidence.

The E-CUBE 15 EX offers extensive shared service capabilities for vascular, cardiac, abdominal, pediatric/fetal, musculoskeletal, urology, prostate, and Ob/Gyn practices.

The E-CUBE 15 EX minimizes complications, raising the level of confidence when clinicians conduct examinations.

The E-CUBE 15 EX is fully geared to an exceptional performance in any clinical environment.
Entirely New Level of Workflow

The E-CUBE 15 EX adds user value in each phase of daily practice from clinical review to diagnostic confirmation. The E-CUBE 15 EX’s efficient workflow increases exam efficiency by reducing the number of tasks per exam and enables users to easily acquire high-quality images and focus on caring for the patients more.

Ergonomic Superiority

The E-CUBE 15 EX’s user-oriented system and transducer design fulfills the ultimate comfort for the users as well as patients.

1. Smart View
   - S-FOV
     S-FOV makes it easy for users to save FOV preferences to the system and select the ideal FOV preset for a particular type of exam during real-time scanning.
   - Ex-FOV
     Ex-FOV enables users to expand the FOV up to 230° for convenient gynecological scans with wide-angle endovaginal transducers.

2. Touch Order
   Customized measurement settings can be organized on the touch screen according to clinical practices and user preferences.

3. Quick ID
   Quick ID simplifies patient registration process by entering basic information.
   - Items: ID, name, birth date, and gender

4. User-defined Hot Key
   User-defined Hot Keys enable instant access to customized presets for fast and convenient operation. Store your scanning preferences for your standard exams that are frequently used and apply these to future exams with a click of a button on your control panel.

5. Xpeed™
   Xpeed™ quickly and automatically optimizes images in B-mode, Color Flow, and Doppler modes with a one button operation.

6. Auto Doppler Trace
   Auto Doppler Trace automatically calculates and displays peak velocities, ratios, pulsatility index and resistance index.

Fast workflow, Enhanced Productivity
Imaging performance with advanced features

**Cardiovascular**
- Enhanced visualization of structures, clear depth perception, and color sensitivity
- Comprehensive cardiac measurement and analysis package

- Apical 4 chamber view with harmonic imaging for excellent axial and lateral resolution
- High resolution 2D imaging demonstrating excellent contrast resolution in the Dual mode with MP1-5X
- PW in Tissue Doppler imaging displaying a sharp and clear spectrum helps users to evaluate myocardial movement
- Color Flow in mitral valve with temporal and spatial resolution
- Stress Echo package is fully streamlined with user-defined protocols for efficient workflow
- CUBE Strain™, a strain imaging software, allows physicians to assess myocardial movement in either qualitative or quantitative measurement

**General Imaging & Small Parts**
- Unparalleled image quality in B-mode, Color Flow, and Doppler modes
- Crystal Signature™ transducers to help increase penetration and deliver a high definition resolution

- Tissue Harmonic Imaging (FTHI) of Liver in the Live Dual mode with Crystal Signature™ Transducer, SC1-4HS
- Thryoid cyst using extreme fine-pitched transducer (L8-17X) visualizes clear nodular tissue with better contrast resolution
- Tendon at the MCP joint image with IO8-17 displaying the clarity and excellent definition in superficial areas
- Power Doppler to help detect blood flow in the testicle
- A single panoramic image with extreme fine-pitched linear transducer (L3-12X) provides a larger reference image up to 60cm for better understanding of spatial relations between anatomical structures
- Needle Vision™ Plus providing better visualization of a needle tip and shaft with Beam Steering technology
Women’s Health

- Advanced 3D/4D rendering engine (Volume Master™ and LIVE HQ™) offering excellent details of fetus
- High performance, lightweight Crystal Signature™ volume convex transducer for volume acquisitions

Transducer Selection

The E-CUBE 15 EX transducers with ergonomic benefits help you achieve extraordinary images. With advanced engineered E-CUBE 15 EX transducers, you can feel confident across a broad range of applications.

- Fast Repair
- Low Maintenance Cost
- Best Compatibility
- Reliable Quality by Multi-level Quality Management

Developed and manufactured by ALPINION for unrivalled acoustic performance
Transducer Guide

Convex

SC1-6H * High density Single Crystal
• OB, GYN, Fetal Echo, Abdominal, Renal, Emergency Medicine

SC1-4H * Wide-angle high density Single Crystal
• Abdominal, Renal, OB, GYN, Fetal Echo, Emergency Medicine

SC1-4H * High density Single Crystal
• Abdominal, Renal, OB, GYN, Fetal Echo, Emergency Medicine

CS-8N Micro convex
• Pediatric, Cardiac, Vascular, Emergency Medicine

CS-8 Micro convex
• Pediatric, Cardiac, Vascular, Emergency Medicine

SVC1-6H High density volume Single Crystal
• OB, GYN, Fetal Echo

Volume Convex

Linear

L8-17X Extreme high density, 58.2mm wide aperture
• Carotid, Peripheral Vascular, Thyroid, Testicle, MSK (Superficial), Breast, Emergency Medicine

L9-8 * Low frequency with the greater depth of penetration
• Peripheral Vascular, MSK, Breast, Emergency Medicine

L9-8 * High density
• Carotid, Peripheral Vascular, Thyroid, Testicle, MSK, Breast, Emergency Medicine

L3-12X * Extreme high density, 58.2mm wide aperture
• Carotid, Peripheral Vascular, Thyroid, Testicle, MSK, Breast, Emergency Medicine

L3-12X * Extreme high density, 58.2mm wide aperture
• Carotid, Peripheral Vascular, Thyroid, Testicle, MSK, Breast, Emergency Medicine

L3-12X * Extreme high density, wide angle FOV (Max 230°)
• GYN, OB, Fetal Echo, Emergency Medicine

L3-12H * High density
• Carotid, Peripheral Vascular, Thyroid, Testicle, MSK, Breast, Emergency Medicine

Volume Endo

Endocavity

EV9-10X * Extreme high density, wide angle FOV (Max 230°)
• GYN, OB, Fetal Echo, Emergency Medicine

EV9-10X * Extreme high density, wide angle FOV (Max 230°)
• GYN, OB, Fetal Echo, Ultrasound, Emergency Medicine

EC3-10H * High density
• GYN, OB, Fetal Echo, Ultrasound, Emergency Medicine

EC3-10H * High density
• GYN, OB, Fetal Echo, Ultrasound, Emergency Medicine

E3-10H High density
• GYN, OB, Fetal Echo, Ultrasound, Emergency Medicine

VE3-10H High density
• GYN, OB, Fetal Echo, Ultrasound, Emergency Medicine

Phased Array

SP1-5X Extreme high density Single Crystal
• Cardiac, Abdominal, Renal, TCD, Emergency Medicine

SP1-5X Extreme high density Single Crystal
• Cardiac, Abdominal, Renal, TCD, Emergency Medicine

SP3-8 Single Crystal
• Abdominal, Cardiac, Emergency Medicine

Sp3-8 Single Crystal
• Abdominal, Cardiac, Emergency Medicine

Pencil Typed

CW5.0 Pencil typed transducer
• Cardiac

CW2.0 Pencil typed transducer
• Cardiac

TEE3-7 TEE transducer
• Cardiac, Emergency Medicine

TEE

* A biopsy kit is available.
* Certain transducers may not be available for use in some countries.