Throughout the years, customers’ feedback has driven all our technological advancements, helping us to move forward and offer even better care options as part of the E-CUBE series. By constantly listening to the voice of the customer, state-of-the-art technologies have been implemented in E-CUBE 11, which has strengthened the value of E-CUBE series.

E-CUBE 11’s new and intuitive design offers you a simple and convenient user experience. Continuous support and updates will be provided for the entire lifecycle of the product without the need for additional investment. E-CUBE 11 enables you to keep up with the latest advancements so that you can stay focused on caring for your patients.

E-CUBE 11 allows you to provide quality healthcare services more efficiently and effectively.

Smart Workflow
Maximize workflow efficiency & patient throughput with innovation at your fingertips.

Better Performance
Optimize presets with enhancement of digital imaging processing algorithms.

Best Patient Care
Give you diagnostic edges with migration of ALPINION’s most advanced applications and technologies to the new E-CUBE 11.
Smart Workflow

Make work smarter and more productive

To enhance exam efficiency, E-CUBE 11 has been re-designed to simplify and streamline day-to-day workflow. Our intuitive, tablet-like touchscreen interface is designed to reduce reach and button pushes. It also enables you to focus more on your patients with quick responses and precise key selection.

- 10.4-inch capacitive touch screen, high-resolution display with instant response technology allowing for quick and precise key selections
- Expanded number of programmable user keys provides simplified and personalized user controls
- Integrated Solid-State Drive (SSD) applied, primarily beneficial in your exam
  - Rapid boot-up
  - More stable data protection
  - Less data loss
  - Faster response time for data read & write
- Integration of the industry-leading computational speed processor and Microsoft® Windows® 7 meets the computer requirements:
  - to rapidly deliver very high quality images
  - to improve network security and system stability
  - to enhance compatibility with electronic medical systems
- 21.5-inch Wide Full HD LED with IPS (In-Plane Switching) technology
  - Wide Full HD LED monitor, the largest in its class
  - Provides a wider viewing angle for reduced eye strain
  - Delivers enhanced contrast resolution
- Simple sliding removal and reattachment of air filter for easy cleaning
- Full Color Backlit LED Control Panel and keyboard help you to easily locate the key position and type under a range of lighting conditions
- Improved flexibility to meet varying user preferences
  - Touch screen digital keyboard
  - Tactile sliding keyboard
- Wireless LAN for PACS data transfer without any space restriction

Reduced exam time*

<table>
<thead>
<tr>
<th></th>
<th>Cardiac</th>
<th>OB</th>
<th>General Imaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac</td>
<td>80%</td>
<td>22% reduced</td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td>60%</td>
<td>34% reduced</td>
<td></td>
</tr>
<tr>
<td>General Imaging</td>
<td>80%</td>
<td>27% reduced</td>
<td></td>
</tr>
</tbody>
</table>

Less key strokes*

<table>
<thead>
<tr>
<th></th>
<th>Cardiac</th>
<th>OB</th>
<th>General Imaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac</td>
<td>51%</td>
<td>22% less</td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td>50%</td>
<td>33% less</td>
<td></td>
</tr>
<tr>
<td>General Imaging</td>
<td>27%</td>
<td>60% less</td>
<td></td>
</tr>
</tbody>
</table>

Faster boot-up time*

Less than 60 sec.

* Compared with a conventional system

Touch Your Daily Practice
E-CUBE 11 provides consistent image quality, enabled by our enhanced digital signal processing and imaging algorithms. Optimized integration with our advanced engineered transducer maximizes the image quality. Outstanding detail with less artifacts means that you can diagnose with confidence.

**Frame Rate Increasing Technology**
Breaking the compromise of conventional architecture between frame rate and image quality.

You can experience both highly detailed ultrasound images and superior temporal resolution in high frame rate. Comparing E-CUBE 11 to conventional systems shows breakthroughs that have been made in imaging performance.

<table>
<thead>
<tr>
<th>Frame Rate Increasing Technology</th>
<th>Color PRF (Pulse Repetition Frequency)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compared with a conventional system</td>
<td>+200%</td>
</tr>
<tr>
<td>* The results may differ depending on exam mode or transducer used</td>
<td></td>
</tr>
</tbody>
</table>

**HD Digital Beamforming**
The advanced platform with HD Digital Beamforming powering E-CUBE 11 enables you to get outstanding image resolution “especially in near field,” consolidating uniformity.

**Adaptive Post Processing**
The newly advanced post processing introduces a high-performance image filter which is adapted differently by each application. Using the powerfully optimized and advanced signal algorithm, Optimal Imaging Suite™(FullSRI™, SCI™, FCI™) provides exceptional detail, clearer border definition and a wider grayscale in tissue.

**Crystal Signature™**
Crystal Signature™, ALPINION’s world leading single crystal technology, provides higher sensitivity, better penetration, and less heat degradation than traditional PZT materials. With the single crystal volume convex transducers (SVC1-6H, SVC1-8) - industrial first - E-CUBE 11 fully supports excellent 3D/4D imaging for various diagnoses.

- Frame Rate Increasing Technology
- Adaptive Post Processing
- HD Digital Beamforming
- Crystal Signature™
- Dual Imaging
- New Color Blending Map

Touch Your Daily Practice
E-CUBE 11 offers a wide selection for complete exam coverage including abdominal, small parts, vascular, cardiac, musculoskeletal and OB/GYN making it the best possible choice. Our advanced imaging and automated tools help you to provide the best medical service for your patients.

**Elastography**
- Strain elastography: an emerging set of ultrasound to demonstrate relative tissue stiffness
- Additional information to describe pathologies and to help reduce unnecessary procedures
- Real-time feedback on the compression quality ranging from 1 to 6, helping you monitor the compression technique

**Stress Echo / CUBE Strain™ / Auto IMT**
- Stress Echo: Streamlines workflow of Stress Echocardiogram combined with treadmill test to provide diagnostic confidence
- CUBE Strain™: Echocardiographic strain and strain-rate imaging: a non-invasive method to assess myocardial function
- Auto IMT: Allows you to automatically measure intima-media thickness of carotid arteries
  - Enables more reliable and reproducible assessment

**Volume Master™ / LIVE HQ™**
- Volume Master™: Enables you to obtain reproducible planes and better anatomical views which are not possible with 2D scanning
  - Multi Planar Rendering, Cube CT and Multi Slice View provide the clinical benefits of CT or MRI
- LIVE HQ™: Volume rendering tool to show more realistic images
  - Helps you to better understand the anatomical characteristics

**DPDI / Needle Vision™, Needle Vision™ Plus / Panoramic Imaging**
- DPDI: Highly enhanced sensitivity with directional information
  - Useful to detect low speed blood flow in peripheral vessels, kidney vessels and middle cerebral artery
- Needle Vision™: Beam steering technology provides better visualization of a needle tip and shaft
  - Performs more confident needle procedures with the assurance of accuracy and patient safety
  - Ultimately helps to reduce the procedure time
- Needle Vision™ Plus: Provides a more readily understood image of the anatomical relationship between structures
  - Encompasses large structures in a single view

**Probe Availability**
- Stress Echo: L3-12H, L3-12H™, L8-5H
  - ECO-10H, ECO-30, EV3-10H, EV3-10, VE3-10H
- CUBE Strain™: EC3-10H, EC3-10, EV3-10H, EV3-10, VE3-10H
- Auto IMT: MSK, Breast, Thyroid, Gynecology, Urology
- Volume Master™: SVC-1H
- LIVE HQ™: SVC3-6H, SVC3-6, VE3-10H
- DPDI: SVC1-6H, SVC1-6, VE3-10H

**Best Patient care**

Giving you a Diagnostic Edge

E-CUBE 11 gives you a Diagnostic Edge, making it the best possible choice. Our advanced imaging and automated tools help you to provide the best medical service for your patients.
Transducers
Developed and manufactured by ALPINION for unrivalled acoustic performance

**Single Crystal Transducer**
- SC1-6H
- SC1-6
- SC1-4HS
- SC1-4H
- CS-8N

**High-density Transducer**
- SC1-4H
- EV3-10H
- EV3-10
- VE3-10H

**A biopsy kit is available**

**Convex**
- SC1-6H
- SC1-6
- SC1-4HS
- SC1-4H
- CS-8N

**Volume Convex**
- SVC1-6H
- SVC1-6
- SVC1-4H
- SVC1-4

**Linear**
- L3-12H
- L3-12HMD
- L8-17H

**Endocavity**
- EC3-10H
- EC3-10
- EV3-10H
- EV3-10
- VE3-10H

**Phased Array**
- SP1-5
- SP3-8

**Pencil**
- CW5.0
- CW2.0

**At a glance**
- Size (W x D x H): 590mm x 895mm x 1,455 - 1,695mm
- Weight: 94kg
- 21.5 - inch Wide Full HD LED monitor
- 10.4 - inch HD capacitive touch screen
- Articulating monitor arm
- Adjustable control panel
- 3 active probe ports + 1 pencil CW port
- Built-in gel warmer - 3 temperature levels (31, 34, 37°C)
- OS: Windows 7
- 512GB SSD / 500GB HDD
- DICOM 3.0 Connectivity (optional)
- Wireless LAN for PACS data transfer
- 3 lead ECG (optional)

**Specification**

- **CUBE View™**
  - Real time image sharing
  - Remote access with a tablet PC or a smart phone

- **Convex**
  - Single Crystal
  - Abdominal, Renal, OB, GYN, Fetal Echo, Emergency Medicine
  - Wide angle high density
  - Single Crystal
  - Abdominal, Renal, OB, GYN, Fetal Echo, Emergency Medicine

- **Volume Convex**
  - High density volume
  - Single Crystal
  - OB, GYN, Fetal Echo, Abdominal

- **Linear**
  - High density
  - Carotid, Peripheral Vascular, Thyroid, Testicle, MSK, Breast, Emergency Medicine

- **Endocavity**
  - High density
  - Endocavity
  - Urology, GYN, OB, Fetal Echo, Emergency Medicine

- **Phased Array**
  - Single Crystal
  - Adult Cardiac, Deep Abdomen, Transcranial Doppler, Emergency Medicine

- **Pencil**
  - Pencil typed transducer
  - Peripheral Vascular (Deep Venous and Arterial)

- **Pencil**
  - Pencil typed transducer
  - Adult Cardiac (Deep Arterial), Transcranial

※ Certain transducers may not be available for use in some countries