

## E-CUBEi7



### Innovation Meets Portability. Indeed

The advantages of a cart-based system made the innovative portable system, E-CUBE i7. To overcome the shortcomings in image quality of a portable system, ALPINION built the E-CUBE i7 around a cart-based system's architecture. Thanks to this powerful and stable architecture, the E-CUBE i7 delivers remarkably excellent and uniform image performance throughout its lifetime.

#### Features

- Crystal Signature™: High class single crystal transducer technology provides higher sensitivity, better penetration, and less heat degradation than traditional PZT materials.
- High-frequency enhanced linear transducer the hockey stick-shaped IO8-17T. The IO8-17T is ideal for imaging for superficial, nerve blocks, and vascular procedures. IO8-17T's small footprint allows easier access to tight spots and its excellent resolution in the near field provides extremely detailed anatomical information for your patients.
- Ergonomics you have never seen before. The E-CUBE i7, the world first portable ultrasound system with a sliding keyboard cover. Provides a solution for sonographers who suffer the inevitable wrist pain from the long term operation of imaging platforms.
- Imaging Technologies



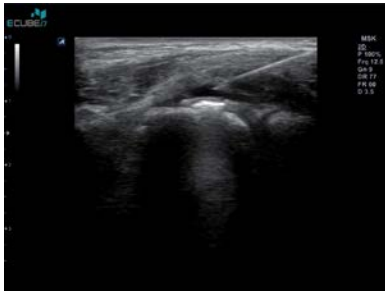
- Advanced Spatial Compounding Imaging (SCI).
- Harmonic Imaging (FTHI/PITHI).
- Speckle Reduction Imaging (SRI/FullSRITM).
- Software Technologies
  - Virtual convex/ B-steering.
  - B/C/PW/CW/PD/M-mode/TDI.
  - Anatomical M-mode.
  - Xspeed™ (Auto optimization).
  - Tissue Doppler Imaging.
  - Auto IMT measurement.
  - Needle Vision™/ Needle Vision™ Plus.
  - Panoramic imaging.
  - Cardiology M&R (Measurement & Report).
  - DICOM 3.0 Connectivity.
- Mobility
  - 1-hour battery life.
  - Lightweight system (7.2kg with battery).
  - Cart with extended transducer connections up to 3 probes.
  - Compact laptop style with a carrying case.
- Speed : Fast boot-up with integrated SSD (Less than 45 seconds).
- Library Quiet : Silent fan.
- Scanning comfort
  - 15.6" wide & high resolution (1600 x 900) LED monitor with IPS technology (In Plane Switching).
  - Wider viewing angle.
  - Better expression of color / contrast.
  - Less eye strain.
- Durability
  - Durable aluminum shell.
  - Easy to clean control panel. A wide rubber plate that protects its electric boards and inner components from pollutants such as dust, gel, fluid, and blood.



## Specifications

- System size (H x W x D) : 85 mm X 402 mm X 366 mm.
- System weight: 7kg with battery.
- 15.6" Wide LED display (1600X900).
- Monitor Tilt: 0- 170 °.
- 1 built-in active probe port.
- Integrated 120GB SSD (Solid-State Drive).
- Sliding-typed keyboard cover.
- 5 USB ports. Built-in Battery.

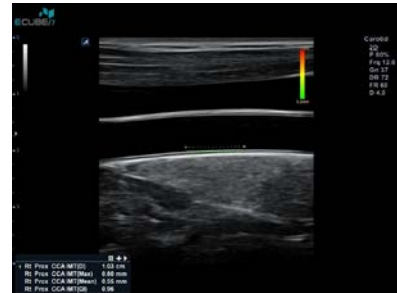




Elbow Joint Injection



Renal Perfusion in Power Doppler



Auto IMT



2nd Trimester Fetal Profile



Uterus



Liver

- Applications: Abdominal, MSK, Orthopedic, Pain Management, Small Parts, Women's Health, Cardio-Vascular.
- Transducers

C1-6T 1-6MHz Convex. Abdominal, OB, GYN, Fetal Echo, Emergency Medicine.

C5-8NT5-8MHz Micro-convex. Pediatric, Cardiac, Vascular, Emergency Medicine.

L3-12T 3-12MHz Linear. Carotid, Peripheral Vascular, Thyroid, Testicle, MSK, Breast, Emergency Medicine, Linear, Endocavity, Single Crystal Phased Array.

IO8-17T 8-17MHz Linear (hockey stick type). MSK(Superficial), Small Parts, Superficial, Vascular.

EC3-10T 3-10MHz Endocavity (straight type). GYN, OB, Fetal Echo, Urology, Emergency Medicine.

EV3-10T 3-10MHz Endocavity (curved type). GYN, OB, Fetal Echo, Emergency Medicine.

SP3-8T 3-8MHz Single Crystal Phased Array. Abdominal, Cardiac, Emergency Medicine.

SP1-5T 1-5MHz Single Crystal Phased Array. Cardiac, Abdominal, Renal, TCD, Emergency Medicine.

