

Technical Specifications: CD45

- **Imaging Mode** B-Mode, THI, PHI, Color Doppler Mode, Power Doppler, Directional Power Doppler Imaging, Tissue Doppler Imaging, Pulsed Wave Doppler, Continuous Wave Doppler, HPRF, M-Mode, Color M mode, Anatomic M-Mode, Freehand 3D Imaging, Static 3D, 4D imaging
- **Clinical Application** Abdomen, Cardiovascular, Obstetric, Gynecology, Urology, Musculoskeletal, Small parts, Anesthesia, Interventional ultrasound
- **Probe Frequency** 1 - 16 MHz

Ergonomics

- **Display** 21.5-inch high resolution color LED, 170 Degree Super wide angle Articulator, user friendly touchscreen 12.1" wide with high sensitivity touch
- **Probe Connector** 5 probe sockets + 1 pencil probe connector
- **Connectivity** USB, VIDEO/S-VIDEO Output, DVI/HDMI Output, VGA/RGB Output
- **Probes** Convex, Linear, Micro-Convex, Phased Array, Transvaginal, Convex & TV Volume

Premium Capabilities

- **Image Magnification** Image Zoom, Showing zoom ratio (0.8-10 times); Full screen Zoom
- **4D imaging** S Live & S Depth in Multi-Slice, Auto NT, AVC (Automatic Volume Calculation) Follicle
- **Strain Elastography** High Strain Sensitivity with good image stability, available with the quantitative assessment of tissue characterization
- **Contrast Imaging** Optimized Signal Processing Technology, improved image resolution & penetration. With TIC (Time intensity curve) & Dynamic Acoustic Control

Wide Range of Transducers



Imaging your imagination



AeroSCAN
Digital Ultrasound Imaging

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Full **Digital** Technology

AeroSCAN
CD45

The design of CD45 took operational use into consideration, creating a comfortable diagnosing environment. Ergonomic design, excellent man-machine interaction and rapid response, makes CD45 as an intelligent scanning assistant for you, bringing improved efficiency and helping to prevent fatigue from multiple examinations.

Aeroscan CD45 is configured with a new imaging engine, which can significantly optimize image performance, especially for 3D/4D imaging with speed and convenience. S-live provides 4D imaging with intelligent rendering, leading to a vivid fetus image. Advanced 4D inversion technology can assist doctors in analyzing anechoic anatomic structures by clearly visualizing the details of desired regions of an unborn child, looking for abnormalities, which can provide more information than conventional ultrasound system could normally obtain. Outstanding volume performance makes CD45 outshine others on volume imaging, and dramatically enhances diagnostic confidence.



21.5 inch Wide LED Monitor



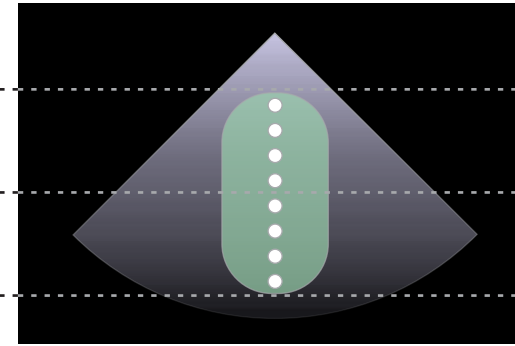
Super Responsive Touch Screen



Flexible Adjusting Control Panel



Built-in Gel Warmer



Single Crystal Technology

Aeroscan CD45 is equipped with a wide band single crystal probe for abdominal and cardiac scanning, which can greatly improve signal to noise ratio, and acquire stunning images with better resolution and richer imaging detail. Compared with a conventional transducer, a single crystal probe has significantly improved acoustic energy conversion capacity, which means the probe has better performance as well as longer working life.

Inversion 4D

Inversion 4D provides more in-depth evaluation of vascular and cystic structures creating a three-dimensional cast-like volume of the anatomy of interest.

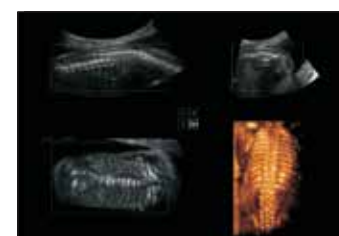
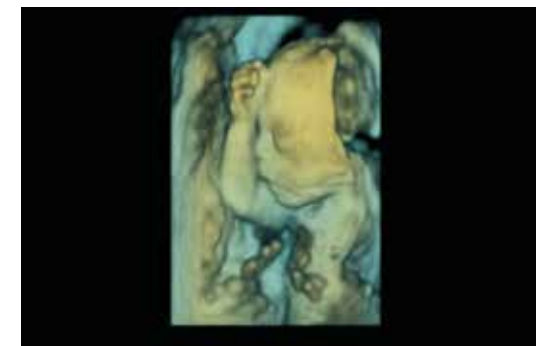


S-Live

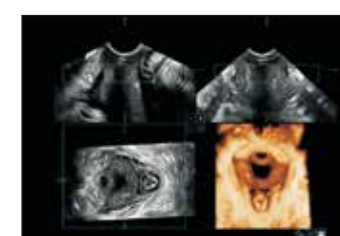
S-Live allows for detailed visualization of subtle anatomical features, thereby enabling intuitive diagnosis on the real-time 3D images and enriching patient communication.

S-Depth

S-Depth can automatically display the near-far relation from transducer to target, represented by smart designed color coding. It can help doctors to judge the spatial relationship on real-time 3D images.



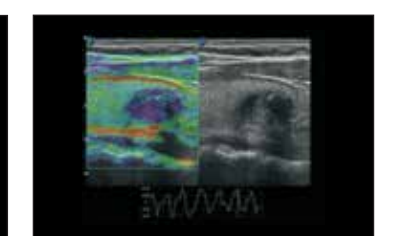
Fetal Spine



Pelvic Floor 4D



Contrast Imaging



Elastography