

EP50
Diagnostic Ultrasound System

Everywhere Easy Efficiency

COMeN Share with the World

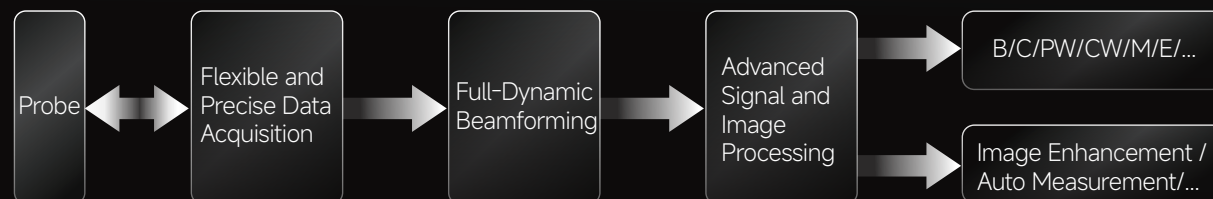


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E-Sonore[®] Ultrasound Platform

Intelligent Imaging-A New Horizon of Clarity

Powered by the Comen E-Sonore Ultrasound Platform, EP50 integrates cutting-edge algorithms and AI technology. Its advanced image processing ensures accurate diagnosis.



Zone Focus Imaging Technology

Dynamic full-range focusing delivers uniform high resolution across the entire field of view, revealing fine details and true anatomical structures.

High-Speed Beam Parallel Processing System

Ultra-fast parallel beam processing significantly increases frame rates, capturing dynamic information instantly for a smooth, real-time imaging experience-ideal for high-speed moving targets.

Frequency Compound Imaging Technology

Multi-frequency fusion imaging effectively suppresses speckle noise, balancing penetration and resolution to enhance tissue contrast and deliver authentic image quality.



Outstanding Ergonomic Design

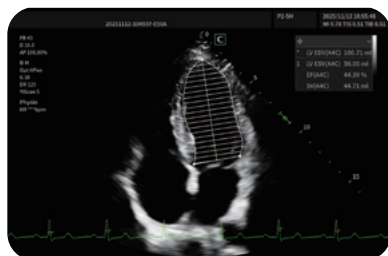


ICU/EMR Solution

EP50 acts as a "Visual Stethoscope" for critically ill patient, enabling bedside lung, cardiac and abdominal examinations without patient transfer.

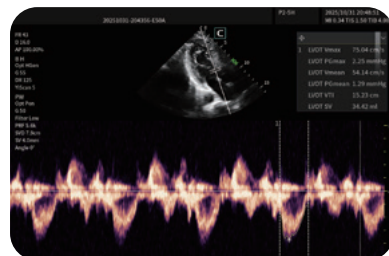


Powerful POCUS: Fully-featured, robust and multi-purpose



Auto EF

Automatic measurement of EF by diastole/systole frames



Auto VTI

Automatic measurement of LVOT Diameter and VTI



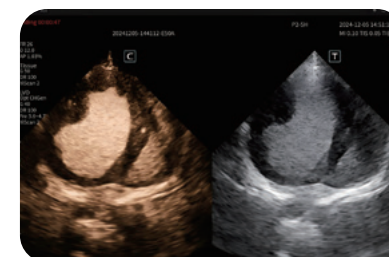
Auto Bladder

Automatic bladder volume measurement



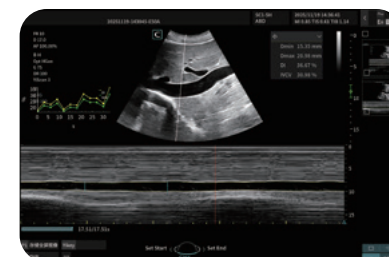
Auto Diaph

Automatic measurement of Diaphragmatic thickness



Contrast Imaging

Left ventricular opacification



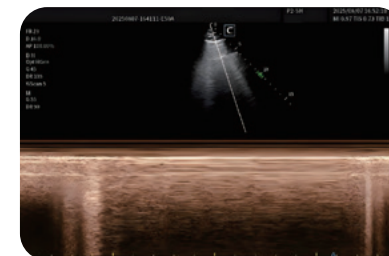
Auto IVC

Automatic measurement of IVC and generate trend chart



Cardiac

Aortic valve



Lung

Pulmonary edema

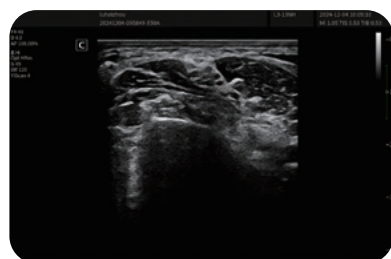


LEV

Venous thrombus flow defect

Anesthesia Solution

EP50, incorporates Biopsy Guidance and Yi-Needle Enhancement for clear visualization of nerves, vessels and surrounding structures. Real-time monitoring of needle advancement and drug dispersion improves accuracy and safety, even for beginners.



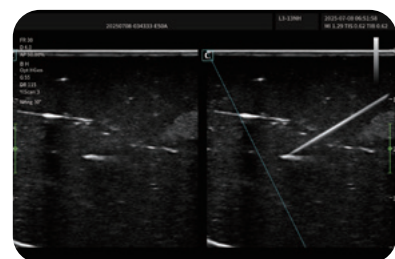
Auto

Automatic image optimization



HRD Flow

Improve the flow presentation



Yi-Needle

Make the needle more clear



Yi-RAV

Automatic Artery-Vein Identification



Yi-Coach

A scanning tool combines images with instruction

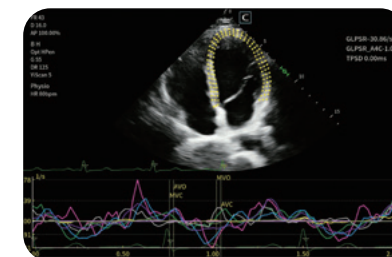


Nerve

Median nerve

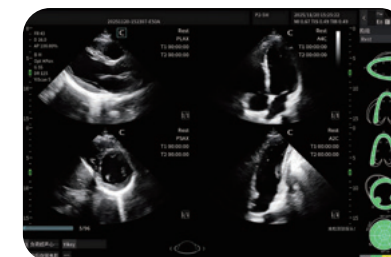
General Imaging Solution

The EP50, with its over 20 high-performance probes, supports a wide range of applications including cardiac, abdominal, MSK, vascular, urogenital, OB/GYN.



MQA

Myocardial strain at various stages can be calculated



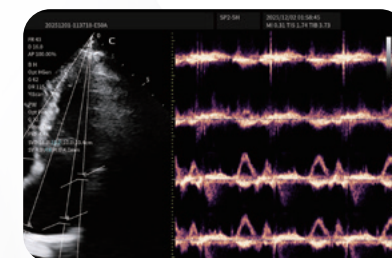
Stress Echo

Support for A4C, A2C, PLAX, PSAX standard views



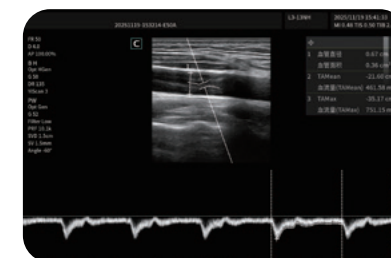
Auto HRI

Automatic HRI index calculation for hepatic stenosis evaluation



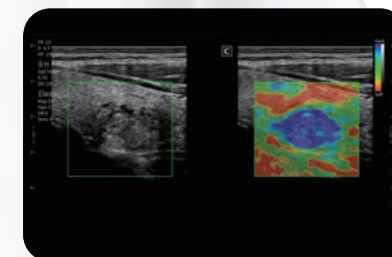
Yi-PW

Support up to four sampling gates



Auto Vol Flow

Automatic measurement of Vessel diameter and volume flow



Elastography

ROI stiffness display



Neonatal Solution

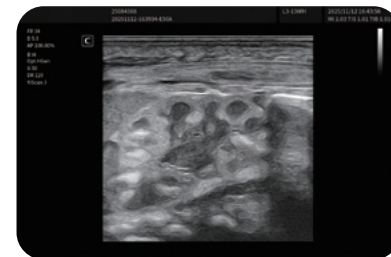
Ideal for NICU, EP50 supports diagnosis of intracranial hemorrhage, hydrocephalus, pneumonia and congenital heart disease without radiation.



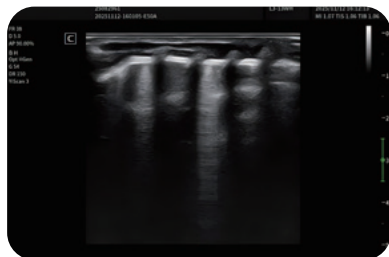
Cranial



Cardiac



Kidney



B Lines



Hydrocephalus



HIP



OB/GYN Solution

Advanced imaging technology and intelligent tools help simplify and speed up diagnostics, enabling clinicians to provide the best possible patient care.



Auto NT

Automatic measurement of
Nuchal translucency



OB

Three-vessel and
trachea view



Color

Nuchal cord



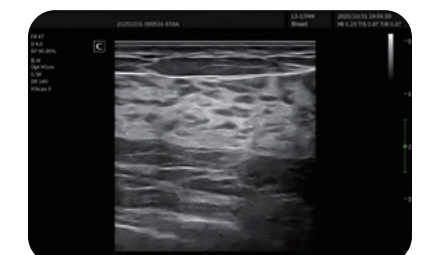
Early OB

Gestational sacs



Early OB

Yolk sac



Small Parts

Breast

Probe Family

Wide clinical application coverage, supports more clinical scenarios.

Convex probe:



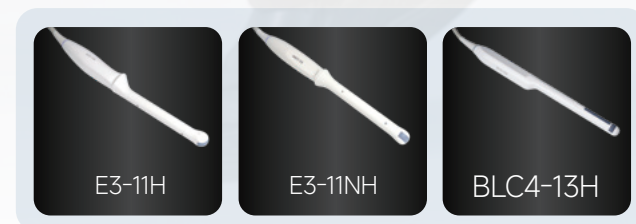
Linear Probe:



Phased probe:



Endocavitary probe:



Hockey stick probe:



Pen probe:



Image Gallery

CARD



Pulmonary Regurgitation



RCA-RVOT Fistula



A5C

ABD



Uterus



Celiac Artery Blood Flow



Hepatic Vein

PED



A4C



Spline



Iliac Artery

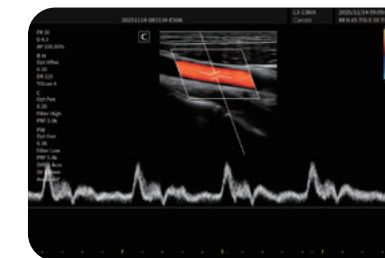
Others



Common Peroneal Nerve



Thyroid Nodules



CCA