

General Imaging



The ACUSON X300™ ultrasound system, premium edition provides the versatility, performance and imaging excellence needed for a wide range of patients and exam types, from deep abdominal to superficial small parts. Using the CH5-2 Hanafy lens transducer with SynAps™ synthetic aperture technology, the ACUSON X300 PE images up to 30 cm in depth, delivering greater diagnostic confidence. Workflow enhancements, such as TGO™ tissue grayscale optimization technology and the advanced ErgoDynamic™ imaging system design, provide an efficient and comfortable solution for ultrasound exams.

Highlights

SieClear™ multi-view spatial compounding:

Improves contrast resolution and tissue differentiation for low contrast lesions by reducing image speckle in real time. Tissue boundaries and interfaces appear sharper and more continuous.

Curved vector format:

Expanded 90 degree field of view for optimal visualization.

MultiHertz™ multiple frequency imaging:

Provides a range of user selectable frequencies to optimize resolution, enhancing the versatility of each wideband transducer.

Hanafy lens transducer technology:

Delivers excellent image uniformity, throughout the field of view, for improved resolution at depth.

Tissue Harmonic Imaging:

Advanced phase inversion harmonics remove image clutter and improve contrast resolution for exceptional image quality for abdominal, obstetrical and gynecological exams.

AutoColor technology:

Optimizes color Doppler for varying flow states such as the abdominal aorta or renal vein.

TGO tissue grayscale optimization technology:

Shortens exam time, reduces repetitive motion and increases diagnostic confidence with consistently optimized exams across all patients, operators and applications at the touch of a button.

SynAps synthetic aperture technology:

Improves resolution at any depth for greater diagnostic confidence.

DIMAQ-IP workstation:

Provides easy access and archiving of patient demographic data, clinical images, and report data.

Physician summary utility:

Supports on-system report generation including customizable letterhead, patient data, images, comments, recommendations, and a customizable signature line.

ACUSON X300 ultrasound system, premium edition

The versatile, compact platform for today's wide range of general imaging challenges

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Color Doppler Imaging

- Excellent color sensitivity demonstrates low flow in the vertebral artery while displaying appropriate flow in the common carotid artery.



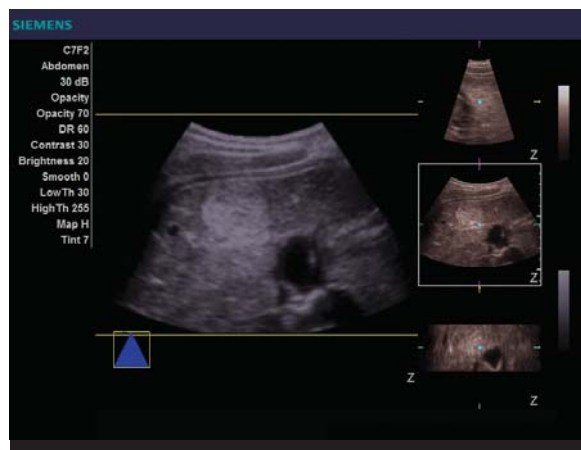
Tissue Harmonic Imaging

- Gallstones are clearly demonstrated with improved contrast resolution.



Virtual Format Imaging

- Provides an increased field of view to clearly depict the entire thyroid gland.



Advanced *fourSight*™ Technology

- Superb clarity and detail are demonstrated within this liver hemangioma using multiple planes.

Standalone clinical images may have been cropped to better visualize pathology.

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Order No. A91US-99-1C-4A00
Printed in the USA
WS 0708 15.0

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