

U50 Prime Edition Diagnostic Ultrasound System Transducers

The depth of the design experience in the transducer engineering team at Edan results in transducers that produce images you’d expect to find from a full-size ultrasound system. High performance technologies utilizing composite PZT as well as multiple matching layers produce higher sensitivity and broader bandwidth transducers. Ten fully optimized transducers, with user-selectable fundamental, harmonic and color Doppler imaging frequencies, cover the range of your patients — from the easiest to the most difficult-to-image body types.

New Prime Edition Transducer Suite

Transducer Name	Fundamental Frequencies	Harmonic Frequencies	Target Application
C5-2b	2.5, 3.5, 4.0 MHz	H5.0, H6.0 MHz	OB/GYN, Abdomen, Difficult-to-image Patients
L15-7b	10.0, 12.0, 14.0 MHz	H14.4, H14.8 MHz	MSK, Small Parts, Breast
P5-1b	2.0, 2.5, 3.0 MHz	H4.0, H5.0 MHz	Cardiac Screening and Triage

U50 Universal Transducer Suite

Transducer Name	Fundamental Frequencies	Harmonic Frequencies	Target Application
C352UB	2.5, 3.5, 4.5, MHz	H5.0, H5.4 MHz	OG/GYN, Abdomen,Difficult-to-Image Patients
C612UB	5.5, 6.5, 7.5, MHz	H9.0, H9.4 MHz	Ped Abdomen, Ped Cardiac
C6152UB	5.5, 6.5, 7.5, MHz	H9.0, H9.4 MHz	Ped Abdomen, Ped Cardiac
L1042UB	8.0, 9.5, 11.0 MHz	H13.0, H13.4 MHz	MSK, Small Parts, Breast, Vascular
L742UB	6.5, 7.5, 8.5 MHz	H9.0, H9.4 MHz	MSK, Sall Parts, Breast, Vascular
L552UB	4.5, 5.5, 6.5 MHz	H5.6, H6.0 MHz	MSK, Vascular Breast
E612UB	5.5, 6.5, 7.5 MHz	H9.0, H9.4 MHz	Endovaginal, Endorectal

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Diagnostic Ultrasound System



Scan more patients, across more applications, with more confidence.

U50

prime edition

One system. Twelve applications. Countless patients.

Whether your imaging study requires unparalleled detail and contrast resolution for high frequency linear musculoskeletal imaging or the superb penetration of our new curved array transducer to evaluate deep abdominal targets, the suite of transducers optimized for the U50 Prime Edition ultrasound system ensures you can image more patients, across more applications, with more diagnostic confidence.

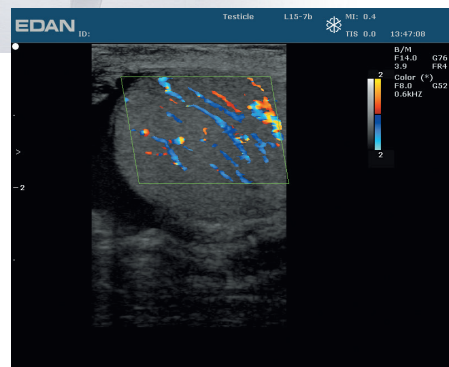
Point of Care Applications

- Peripheral vascular
- Musculoskeletal
- Pain Management / Anesthesiology
- Emergency Medicine

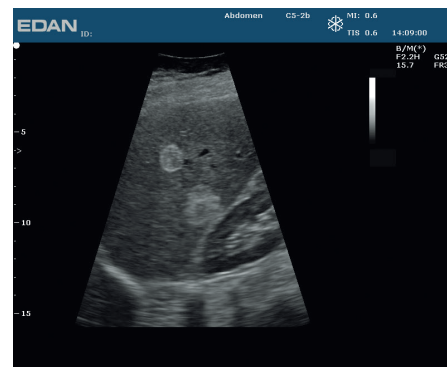
Diagnostic Applications

- Abdominal
- Obstetrics
- Urology
- Cardiac screening
- Pediatrics
- Breast
- Small parts
- Gynecology

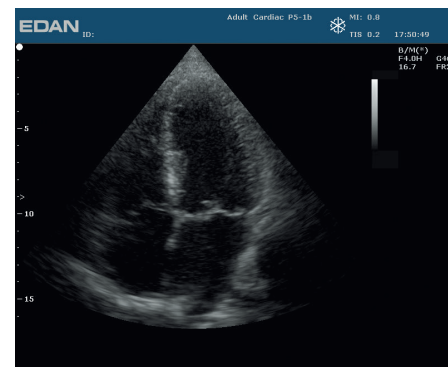
U50 Prime Edition Image Gallery



Color Doppler sensitivity for low-flow imaging is demonstrated using the L15-7b transducer in this image of normal testicular flow.



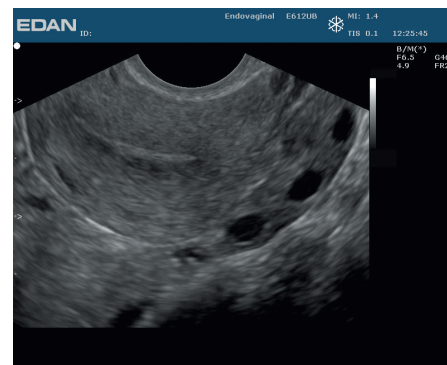
Harmonic imaging using the C5-2b transducer enhances the contrast resolution in this view of liver lesions.



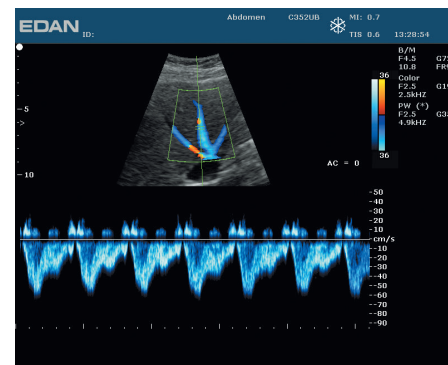
The detail of a prolapsed mitral valve leaflet can be seen in this apical 4-chamber view of the heart using the phased array P5-1b transducer.



Spatial compounding and speckle reduction technologies on the C5-2b transducer significantly improve visualization of the fetal liver-lung interface.



The E612UB endovaginal transducer exhibits uniformity throughout the field of view and excellent clarity of the ovarian follicles in the far field.



Color and spectral Doppler spatial resolution with the C5-2b transducer is demonstrated in the hepatic veins.

From superb image quality to the streamlined user interface, the U50 Prime Edition ultrasound system is designed to give you more diagnostic information across target applications than similarly priced competitive systems. Advanced 2D and color Doppler imaging technologies you'd expect to find only in premium-priced systems are standard in the U50 Prime Edition system from Edan. The portable U50 Prime Edition system delivers the performance of a high-end system at a compact price.

2D Imaging

- Harmonic Imaging
- Multi-beam Imaging
- Speckle Reduction
- Spatial Compounding
- Broadband multi-frequency transducers

Doppler Imaging

- Color Doppler Imaging
- Directional Power, Doppler Imaging
- Spectral Doppler high-PRF
- PW Doppler
- CW Doppler

Multi-format peripheral ports including VGA, composite video and USB

One-touch, user definable Smart Presets

Quick boot-up

Easily store DICOM files and export reports in PDF file format

Home-base user interface design

12.1" high resolution LCD display

90-minute battery operation for point-of-care use

Lightweight design for easy mobility

Conveniently located gel holder

Backlit control panel

EDAN