



SONOSCANNER

Premium Diagnostic Ultrasound

T-Lite Specifications





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General Requirements

Light portable diagnostic ultrasound imaging scanner providing black and white anatomic image, color flow Doppler images, pulsed wave Doppler and Tissue Motion images in real time

Dimensions and Weight

System dimension : 253mm x 174mm
Thickness : 19mm
System weight: 1 kg

Display

Flat pad full touch screen display
Screen : 10.1-inch (Diagonal) LED monitor
Resolution : 1900 x 1200 pixels or higher
Fast boot-up : 10" approx.

Battery

Built-in Rechargeable battery
Support operation for 8 hours back to back scanning

Wireless transceiver

Imaging Capacities

B-mode Imaging
M-mode Imaging
Color Flow Doppler Imaging
Pulse Wave Doppler Imaging
Power Doppler Imaging
Tissue Doppler Imaging
Tissue Harmonic Imaging
Trapezoidal Imaging
Compound Imaging
Speckle Reduction Exclusive Imaging
Needle Enhancement Imaging

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Operating Capacities

User friendly user interface
Continuous loop review
Integrated Image Archive
Digital Image Storage and Retrieval
Auto focus adjustment
Auto optimization of image
Auto preset for different exams
System Boot up in 10 sec plus 5 sec for the probe connection
Universal Digital Beamformer
Video or data Export
HDMI port for external display with different screen display (not simple clone image)
Micro USB port for data export
Image in JPG or DICOM
Wireless export possible

General caliper on device

- Distance
- Area
- Volume
- Auto volume

OB measurement on device

- FL
- BPD
- nHC
- AC
- GA
- EFW
- Fetal Heart Rate

Bladder measurement on device

- Auto-volume 2D
- Auto 3D
- Manual

Cardio Measurement on device

- E, E', A, A', E/E', E/A
- VTI
- EF
- HR

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User Interface

A navigation wheel or equivalent facility provides an intuitive user interface with minimal manual controls.

Dedicated specialty presets besides general ABD is provided for the following exams

- Cardiac
- Obstetric
- Bladder
- Vascular
- Biopsy
- Anesthesia
- MSK
- Advanced
- Sport
- Dialysis
- Blue Protocol

More than 4 calipers / measurements results shown on same screen

Data Export

Imaging data can be stored to USB memory stick or equivalent via USB cable

Local storage capacity ; 128 GB

Date can be stored and exported in both JPG and DICOM

Wireless image uploading available to cloud

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Transducers

	Probe reference	Frequency	Specialty
P R E M I U M	 PR 52 Premium Linear array 5cm High frequency	6 – 18 MHz	Small parts Vascular Anesthesia
	Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry : 50mm Number of Elements : 256 Imaging depth : > 6 cm		
	 PR 59 Convex array HD Single crystal	1.5 – 6 MHz	Abdominal Obstetrics Gynecology Anesthesia Vascular Emergency
	Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry radius : 50mm Number of Elements : 192 Imaging depth : > 30 cm		

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	Probe reference	Frequency	Specialty
A D V A N C E D	 PR 51 Linear array HD Very high frequency	10 – 18 MHz	Small parts Vascular Anesthesia MSK Sport medicine Pediatric
	Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry : 40mm Number of Elements : 192 Imaging depth : up to 6 cm		
	 PR 50 Convex array HD	2 – 5 MHz	Abdominal Obstetrics Gynecology Anesthesia Vascular Emergency
	Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry radius : 60mm Number of Elements : 192 Imaging depth : up to 30 cm		

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	Probe reference	Frequency	Specialty
A C C E S S	<p>PR 57 Linear array High frequency</p> 	5 – 12.5 MHz	Small parts Vascular Anesthesia MSK Sport medicine Pediatric
	<p>Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry : 50mm Number of Elements : 96 Imaging depth : > 6 cm</p>		
	<p>PR 56 Convex array</p> 	2 – 5 MHz	Abdominal Obstetrics Gynecology Anesthesia Vascular Emergency
	<p>Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry radius : 60mm Number of Elements : 96 Imaging depth : up to 30 cm</p>		

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	Probe reference	Frequency	Specialty
S P E C I A L I T Y	 PR 53 Endocavitary array	4 – 9 MHz	Gynecology Urology Obstetrics
	Broadband Probe with automatic frequency adjustment for optimal imaging with depth change Probe Geometry radius ; 10mm 5.5.5 Number of Elements : 128 Imaging depth : up to 20		
	 PR 60 Hockey stick array	10 – 18 MHz	MSK Sport medicine Anesthesia Pediatric
Broadband Probe with automatic frequency adjustment for optimal imaging with depth change Probe Geometry : 25 mm Number of Elements : 128 Imaging depth : up to 4 cm			
 PR 54 Phased array	1.5 – 5 MHz	Cardiology Emergency Transcranial Pediatric	
Broadband Probe with automatic frequency adjustment for optimal imaging with depth change Number of Elements : 64 or higher Imaging depth : up to 30 cm			

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	Probe reference	Frequency	Specialty
S P E C I A L I T Y	PR 55 Convex array High frequency	 4 – 10 MHz	Abdominal Obstetrics Gynecology Anesthesia Vascular Emergency Pediatric
		Broadband Probe with automatic frequency adjustment for optimal imaging Probe Geometry radius : 32mm Number of Elements : 128 Imaging depth : up to 20 cm	
	PR 58 Micro convex array	 4 – 9 MHz	Abdominal Obstetrics Gynecology Anesthesia Vascular Emergency Pediatric
		Broadband Probe with automatic frequency adjustment for optimal Probe Geometry radius : 15 mm Number of Elements : 128 Imaging depth : up to 20	

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Accessories

Each set of equipment is equipped with the below accessories:

Charging Station with:

- Universal power supply and power plug suitable for use in the Hospital
- Dedicated travel case

Electrical Power Requirements :

Input Voltage : 100 – 200 V

Output Voltage : 15 VDC

Frequency : 47 – 63 Hz

Sonoreplay

Dedicated software for online images archive and patient information management with the following capabilities:

Patient information : Name / ID / Birth date

Sort function for exam date, patient name or ID

Software updates for the scanning equipment can be done through WIFI or through USB

Safety Requirements

Equipment offered complies with the safety requirements of IEC60601.

Equipment offered complies with the electromagnetic compatibility (EMC) requirements of IEC60601-1-2.

Equipment offered complies with IEC60601-2-37.

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Other Requirements

Training On-site operational training is possible

Warranty Maintenance

In order to maintain the value of your U-Lite, we can provide regular operations of maintenance and service on the scanner, for a period of at least 1 year commencing from the date of acceptance of the equipment.

Our local technical support team remains at your disposal to answer by email or by phone any of your inquiry.

Software License

The software license for clinical applications and measurement packages, etc. is permanent.

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