



MEDELKOM

SLE-901-S

Digital B/W ultrasound scanner

High-end platform with extraordinary performance



System Overview

Clinical Applications

Abdomen	Organs
Obstetrics	Superficial
Gynecology	Thyroid
Urology	Glactophore
Cardiology	Vascular
Small Parts	Custom

Features

- 15-inch high resolution medical LED monitor , angle adjustable
- Three activated transducer connectors
- Auto-freezing function
- All-round adjusting knob
- One key full screen function
- Abundant measurement software packages
- Auto-generation BMP format report
- Support USB import and export
- Laser/Ink Jet printer module optional
- Optional built-in lithium battery

Imaging Modes

B, 2B, B/M, M, 4B

Advanced imaging Technology

- Exclusive Employ Double Wave Form Imaging Technology
- Speckle Noise Reduction Technology
- Tissue-specific Imaging Technology
- Tissue Harmonics Imaging Technology

Physical Specification

Dimension & weight

Main Unit Dimensions:

570mm×530mm×1285mm; 60kg

Package Dimensions:

655mm×715mm×1335mm ; 75kg

Probe Parameters

Convex Array Probe 3C50A
 Central Frequency: 3.5 MHz
 2.0 MHz, 3.0 MHz, 3.5 MHz, 5.0 MHz
 THI 3.2 MHz,

Max. Scanning Depth: 280 mm
 Abdomen/Obstetrics/Gynaecology/Urology

Linear Array Probe 7L40A
 Central Frequency: 7.5MHz
 5.0 MHz, 7.5 MHz, 10.0 MHz, 12.0 MHz
 TH 6.0 MHz

Max. Scanning Depth: 110mm
 Small Parts/Vascular

Transvaginal Probe 6E10A
 Central Frequency: 6.5 MHz
 5.0 MHz, 6.5 MHz, 7.5 MHz, 8.0 MHz

THI 5.0 MHz
 Max. Scanning Depth: 120 mm

Transvaginal

Micro-convex Probe 6C15A
 Central Frequency: 6.5 MHz
 5.0 MHz, 5.5 MHz, 6.0 MHz, 6.5 MHz,
 7.5 MHz, THI 5.0 MHz,

Max. Scanning Depth: 150 mm
 Cardiac/Generics/Pediatric

Probe Port & Holder

Probe Ports: 3 Activated Ports
 Probe Holders: 4 Probe Holders

Electrical power

Input Voltage: AC 100V ~240V
 Frequency: 50Hz/60Hz
 Input power: 100VA
 Fuse: F3.15AL250V (φ5×20 mm)

Operating Environment

Ambient Temperature: +5°C ~+ 40°C
 Relative Humidity: 25% ~ 80%
 Atmospheric Pressure: 70kpa ~106kpa

Transportation & Storage

Ambient Temperature: -20°C ~ +55°C
 Relative Humidity: 10% ~ 95%
 Atmospheric Pressure: 50kpa-106kpa

Software Specification

System Setup

Brightness : 0 – 9
 Contrast: 0 – 9
 Gamma Corr.: 0 – 7
 ScreenSaver: Adjustable
 Auto Freeze: Adjustable
 Horizontal Scale: Adjustable
 Vertical Scale: Adjustable
 Gray bar: Adjustable

UAB "Medelkom International"

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FSI: Adjustable	Organ	Angle
Language: English, Spanish, French	Cardiology	Distance1, Distance2, Angle Calculate
Date/Time: Adjustable		Len.Ratio
Hospital: Adjustable	Body Mark	Distance1,Distance2, Len.Ratio Calculate
Factory Reset: Adjustable	Abdomen: 10 Adjustable	Area.Ratio
	Gynecology: 4 Adjustable	Area 1, Area 2, Area Ratio Calculate
Parameters	Obstetrics: 22 Adjustable	M Meas.
Gain: 0 – 255	Urology: 10 Adjustable	Distance,Time,Heart rate, EF Slope
FPS: 250 frames/sec	Organ: 24 Adjustable	
M speed: 1 – 63	Cardiology: 13 Adjustable	Special Meas.
Frame Corr. 0-255		Abdomen
Smooth: 66 – 99	File Mgmt	Liver
TSI: 1 – 7	Memory: 4G (could be optimized)	CHD
Dyn.Range : 0 – 255 dB	USB: 2	PV
Noise Restrain: 0 – 100	Cine loops: 1024frames	GB : GBL,GBH,GBW Thick,CBD
Gray Scale: 0 – 19	Images: at least 500	Kidney : Lt Kidney L, Lt K.Thick
Focus No.: 4	Save Image: save to U disk	Lt K.W, Lt R.C Thick
Focus position: Adjustable	save to local	Lt AG L , Lt AG H, Lt AG W
Scan Angle: 30-100	Browse Image: U disk	Rt Kidney L, Rt K.Thick
Pseudo C.: 1 – 8	local	Rt K.W, Rt R.C Thick
S Power: 40 – 100		Rt AG L ,Rt AG H, Rt AG W
THI: Adjustable	Measurements	Spleen
Reverse: Adjustable	Generic	Pancreas: PD, PH, PB, PT
Mirror: Adjustable	Distance	AA , AO
B/W Invert: Adjustable	Area & Cir	Lliac Artery
CentralLine: Adjustable	Depth	
Biopsy: 0°, 30°, 45°, 60°	Volume	Gynecology
Save as custom: Adjustable	3 Dist.: Distance1,Distance2,Distance3	Uterus: Uterus L,Uterus H, Uterus W
	Volume Calculate	En Thick
App.Type	Ellipse Dist.: Ellipse Area,Distance	Cervix: CX L, CX H, CX W
Abdomen	Volume Calculate	Ovary: Lt Ov L, Lt Ov H
Gynecology	Ellipse	Rt Ov L, Rt Ov H
Obstetrics		
Urology		

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Follicle: Follicle 1
 Follicle 2
 Follicle 3
 Follicle 4
 Follicle 5
 Follicle 6
 Follicle 7
 Follicle 8

Bladder: Full Urine BL L
 Full Urine BL H
 Full Urine BL W
 Empty Urine BL L
 Empty Urine BL H
 Empty Urine BLW

Prostate : Pro L
 Pro H
 Pro W
 Pro Mass

SV: Lt SV L
 Lt SV H
 Lt SV W
 Rt SV L
 Rt SV H
 Rt SV W

Testicle : Lt Testicle L
 Lt Testicle H
 Lt Testicle W
 Rt Testicle L
 Rt Testicle H
 Rt Testicle W
 Ur Diam

Organ

Lt Thyroid L
 Lt Thyroid H
 Lt Thyroid W
 Lt Thyroid Mass
 Rt Thyroid L
 Rt Thyroid H
 Rt Thyroid W
 Rt Thyroid Mass
 Isthmus W
 Lt Testicle L
 Lt Testicle H
 Lt Testicle W
 Rt Testicle L
 Rt Testicle H
 Rt Testicle W
 Lt Breast Mass
 Rt Breast Mass

Cardiology

Cardiology(2D): LA Major
 RA Major
 LV Major
 RV Major
 AV Diam
 PV Diam
 MV Diam
 TV Diam
 AV A
 TV A

Cardiology(M): LA Diam
 LVIDd
 LVIDs
 RVDd
 RVDs
 LVPWd
 LVPWs
 LVPWs
 RVAWd
 RVAWS
 AoDiam
 AoAscDiam
 Ao Isyhmus
 MV E Amp
 MV A Amp

Distance
 Time
 Heart Rate
 EF Slope

Obstetrics (Q KEY)

Tokyo: BPD
 FL
 CRL
 AC
 GS
 TIBIA
 ULNA
 CER
 NT

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NF	AFI4	YS
PL	AFI Calculate	LMP(YY/MM/DD)
AF		Average EDD
AFI: AFI1	YS	Average EFW
AFI2	EFW: BPD,FL,AC,HC	
AFI3	EFW Calculate	JSUN 2001: BPD
AFI4	BPD,FL,AC	FL
AFI Calculate	EFW Calculate	CRL
YS	FL,AC,HC	AC
EFW: BPD	EFW Calculate	TIBIA
APTD	FL,AC	ULNA
TTD	EFW Calculate	CER
FL	LMP(YY/MM/DD)	NT
LMP(YY/MM/DD)	Average EDD	NF
Average EDD	Average EFW	PL
Average EFW		AF
Hadlock: BPD	China: BPD	AFI: AFI1
FL	FL	AFI2
CRL	HC	AFI3
HC	AC	AFI4
AC	TIBIA	AFI Calculate
TIBIA	ULNA	YS
ULNA	CER	LMP(YY/MM/DD)
CER	NT	Average EDD
NT	NF	Average EFW
NF	PL	
PL	AF	TODA196: BPD
AF	AFI: AFI1	FL
AFI: AFI1	AFI2	CRL
AFI2	AFI3	AC
AFI3	AFI4	TIBIA
AFI4	AFI Calculate	ULNA

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CER
 NT
 NF
 PL
 AF
 AFI: AFI1
 AFI2
 AFI3
 AFI4
 AFI Calculate
 YS
 LMP(YY/MM/DD)
 Average EDD
 Average EFW

HAD84:BPD

HC
 AC
 TIBIA
 ULNA
 CER
 NT
 NF
 PL
 AF
 AFI: AFI1
 AFI2
 AFI3
 AFI4

AFI Calculate

Shepard: BPD, AC

EFW Calculate

System Inputs & Outputs

USB(2) :

Connect to Devices that Abide by the
USB Protocol

Video:

Output video signals, used to connect
video, printers, ultrasound workstation, etc.;

VGA Port:

Serial port;

RS-232:

Serial port

S-Video :

S Port signal output

Power Switch:

Turn on/off the system power

Standard Package

Main Unit
 One probe as standard
 Power cord
 Fuse (2)
 User's Manual

Optional Accessories

Convex Array Probe 3C50A
 Linear Array Probe 7L40A
 Transvaginal Probe 6E10A
 Micro-convex Probe 6C15A
 Micro-convex Probe 3C60A
 USB disk
 Lithium battery
 Pedal Switch
 Biopsy

Certificates

Quality Standards

ISO13485
CE

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