MEDIANA

Color Doppler Ultrasound Scanner

Model Name: Classic55

Classic55 is an excellent general purpose color doppler ultrasound diagnostic system. Based on MEDIANA's leading digital ultrasound technology, Classic55 offers decent 2D images with THI, excellent CFM images. It is capable of 4D imaging also.

Standard Configuration:

Classic55 main unit

15" high definition non-interlaced LCD monitor, special for medical imaging

Three activated transducer connectors

Cine review: ≥10,000 images Cine Memory for both 2D & Color Images

One Click Restoration of O/S

DVD-R/W

DICOM 3.0

Panoramic zoom

Measurement & calculation software packages

Electronic convex array transducer: (2.0-6.0MHz)

Electronic linear array transducer: (3.0-10.0MHz)

Options:

Electronic linear array transducer: (6-12.0MHz)

Phased array transducer: (1.0-5.0MHz)

Electronic endocavity transducer: (4.0-9.0MHz)

Electronic micro-convex array transducer: (2.0-6.0MHz)

4D Package [Volume transducer + 4D software]

Needle-guided brackets

Footswitch

Technical Specifications:

General Descriptions

Imaging mode: B B/B B+M M CFM PW CDE CCD HPRF
Gray scale: 256

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Display:	15" high-resolution non-interlaced monitor, special for medical Imaging, with flexible arm
Transducer frequency:	2.0 ~ 12MHz
Transducer connector:	3
Image Dept:	1.5 to 30 cm
Imaging Technology:	Continuous High-precision Digital Beam-former
	Dynamic Frequency Integration Imaging
	High-precision Dynamic Receiving Focus
	Super Wide-band Imaging Technology
	Self-adaptive Image Optimization Processing
	Multi-beam Imaging
	Self-adaptive Vascular Imaging
	Self-adaptive Doppler Imaging
	THI (Tissue Harmonic Imaging)
	Clear Speckle Reduction Filter (SRF)

Measurement & Calculation

B-mode:	distance, circumference, area, volume, angle, residual urine volume, histogram, profile
M-mode:	distance, time, velocity, heart rate
D-mode:	doppler blood flow measurement, velocity, acceleration, pressure gradient, time, VI, PI, RI, etc
Software packages:	
GYN	uterus, endometrium, ovary, cervix, ovarian follicle
OB	GS, CRL, LV, BPD, OFD, HC, TAD, LVW, HW, TCD, IOD, OOD, BD, APTD, TTD, AC, APD, FTA, HL, ULNA, FL, FIB, CLAV, etc
Cardiac	M. Simpson, B-EF、M-EF（Pombo、Gibson、Teichholz）, Diameter Function, PV flow, AV-Area, B-LV/Ao、M-LV/Ao, MV Regurg, etc
Urology	volume of prostate, volume of bladder, volume of urine, volume of trans zone, HipJ.Angle（hip joint dislocation in neo-natal and babies）、slice v, etc
Small Parts and Peripheral Vessels	
	vascular cross-sectional area, heart rate, stroke volume, flow per unit time, Ejection Time, % stenosis, mean velocity of flow, RI, PI, etc.

NOTE: specifications subject to change without prior notice.