#### Standard Configuration

MUS 612 main unit with 12.1 "TFT-LCD monitor

2 transducer connectors

Pulsed Wave Doppler

Multiple-pseudo-color imaging

256 frames cine loop memory

500 GB Hard Disk for built-in image storage

Two USB Ports

Measurement & Calculation software packages

DICOM 3.0 (store)

Rechargeable Li-ion battery



Transducers Convex Array Transducer: C361-MU5612 (2.5/3.5/4.5/H2.5/H2.7MHz) Micro-convex array transducer: C611-MUS 612 (5.5/6.5/7.5/H4.5/H4.7MHz) Linear Array transducer: L761-MUS 612(6.5/7.5/8.5/H4.5/H4.7MHz) Linear Array transducer: L743-MUS 612(6.5/7.5/8.5/H4.5/H4.7MHz) Endovaginal transducer: E611- MUS 612 (5.5/6.5/7.5/H4.5/H4.7MHz) Endorectal transducer: E741- MUS 612 (6.5/7.5/8.5/H4.5/H4.7MHz) BLUE STAR BLUE STAR MUS 612 For more information, please contact: Healthcare Systems , Blue Star Engineering & Electronics Limited Divisional office: Band Box House, 4th Floor, 254 D, Dr. Annie Besant Road, Worli, Mumbai – 400 030, India.

Phone: 022 66544000. Mumbai: 9979878100 / 9764515355. Vadodara: 9979878100. Chennai: 9940054150 / 7358590952.Bengaluru: 9901524016

New Delhi: 9810632403 / 90903333228. Kolkata: 9830042564 / 9531540120. Email: medenquiry@bluestarindia.com
Website: www.bluestarindia.com/e&e

BLUE STAR

# MUS 612 Digital Diagnostic Ultrasound System

Digital Diagnostic Ultrasound system is Compact, Lightweight, User friendly and incorporates the latest technology to deliver high value and outstanding image quality for general whole body application including PW Doppler.

# FEATURES

Phase Inversion Harmonic Imaging technology

12" High Resolution LCD display

Dual transducer connector

PW Doppler application

One touch Image optimization

8 Segment Time Gain Control (TGC)

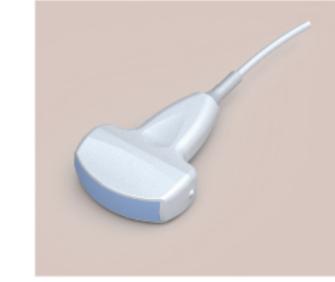
5 Frequency high-density transducers

Inbulit Rechargeable Battery for 2 Hours scan

Inbulit Hard Disc of 500 GB for more than 2 lakh image storage



LINEAR ARRAY L761-2(6.5/7.5/8.5/H4.5/H4.7MHz)







TRANSVAGINAL E611-2(5.5, 6.5, 7.5, H4.5, H4.7 MHz) ENDORECTAL E741-2(6.5/7.5/8.5/H4.5/H4.7MHz)

# TECHNICAL SPECIFICATIONS

## General

Imaging Mode: B, B+B, 4B, B+M, M and PW

Gray Scales: 256. Display: 12.1 "TFT-LCD Screen

Transducer Frequency: 2.0-10.0 MHz. Transducer connector: 2 standard

Beam-forming: Phase Inversion Harmonic Imaging

Multi-Beam Technology

- Synthetic Receiving Aperture
- Dynamic Receiving Focusing
- Real time Dynamic Aperture
- Dynamic Frequency Scanning
- Dynamic Apodization

Scanning angle: Up to 152 degrees (transducer dependent)

Scanning depth (mm): From 19 to 324 (transducer dependent)

Applications: Abdomen, obstetrics, gynecology, small parts, musculoskeletal, cardiology,

peripheral vascular and urology

## Image Processing

Pre-processing: Dynamic range

- Frame Persist
- Gain
- 8 segment TGC adjustment
- IP (Imaging Process)

Post-processing: Gray map

- Speckle reduction technology
- Pseudo-color
- Gray Auto Control
- Black-White invert
- Left-Right invert
- Up-Down invert
- Image Rotation at 90° interval

## Functions

Cine loop: 256 frames bidirectional cine-loop

Zoom/Magnification: X1.0, X1.2, X1.4, X1.6, X2.0, X2.4, X3.0, X4.0 in distance

Panoramic zoom in real-time and freeze

Storage media: Built-in-flash, Internal 500 GB hard drive

Storage media: Built-in-flash, Internal 320 GB hard drive

Built-in image archive: 504MB built-in data storage

Body marks: > 130 types

Transducer Auto Detection

#### Measurement and Calculation

B-mode: Distance, circumference, area, volume, ratio %stenosis, histogram and angle

M-mode: Distance, time, slope and heart rate

Doppler: Time, heart rate, velocity, acceleration, trace and RI

Software packages: General, obstetrics, gynecology, small parts, orthopedics, cardiology, peripheral vascular and urology

Display:

Date, Time, Probe Frequency, Frame Rate, Patient Name, Patient ID, Hospital Name, Depth, Frame Rate,

Exam Type, Measurement Values, Body Marks, Annotations, Probe Position

### Others

Peripheral Port: S-Video output: 1

- Video Output: 1
- VGA Output: 1
- USB Ports: 2
- Ethernet Port: 1
- Remote Control: 1
- Footswitch Port: 1

Power Supply: 100V-240VAC ~ 50Hz/60Hz

Rechargeable Lithium Battery: Continuous operation for up to 2 hours

Lithium Battery: Continuous operation for up to 2 hours

Dimensions: 220mm(w) \* 330mm(l) \* 320mm(h)

Net weight: 7.1Kg

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