

4D High End Echocardiography System

ES-3000 SERIES



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

1 Technical Specifications

- 17" non-interlaced medical LCD monitor
- Four probe connectors
- 1 TB HDD / DVD-R/W / Dual USB ports
- 512 frames of Cine Loop
- DICOM 3.0
- CFM (Color Flow Mapping) / PW (Pulse Wave Doppler) / HPRF
- CDE (Color Doppler Energy) / Dir. CDE (Directional Color Doppler Energy)
- THI (Tissue Harmonic Imaging)
- Full application software packages
- Electronic convex array transducer : CA3.5/R50 (2.0/2.5/3.5/4.0/6.0MHz)
- Electronic endocavity transducer: EV6.5MHz/R10 (4.0/5.0/6.5/7.5/8.0MHz)
- Electronic linear array transducer : LA7.5MHz/L40 (5.0/6.0/7.5/8.0/10.0MHz)
- 4D volume transducer : CLA4.5MHz (2.5-6.5MHz)
- Minimum 800000 digital processed channels.
- Minimum 21 inch high resolution flat panel medical grade display monitor with infinite position adjustments
- Four Imaging universal active probe ports with electronic switching facility from key board without probe adapter.
- Second generation 4D(Live 3D) matrix transthoracic transducer capable of supporting a minimum of 2000 elements for exceptional 4D (live 3D) Echo,4D(Live 3D) zoom, triggered full volume and triggered 3D colour volume with electro cautery suppression.
- Broadband probes spanning a frequency of 1-15 MHz.
- Image storage facility on in build hard disc or MOD/CD/DVD-RW.Inbuilt hard disk with capacity of 500 GB.
- Speckle reduction Imaging: Image processing technique to remove speckles and clutter artifacts.
- 4D (Live 3D) Echocardiography capability with colour flow imaging with single beat
- Scanning depth of 30cm.
- Measurements like strain & Strain rate quantification.
- 2D speckle tracking.
- High resolution user interface touch panel of minimum size of 12.0 inch or intuitive keyboard
- MPR views for quantification from 3D Imaging on volume measurements like LV volumes, Ejection fraction from 3D Image, etc.
- The facility of displaying the three planes of the 3D data set.
- Contrast Harmonic Imaging
- Integrated stress Echo facility to perform Stress Echo exams.
- The state of the art Transmit real time compound Imaging Technology with Multiple transmitted lines of sight, wherein multiple coplanar Images from different viewing angles are obtained and combined into a single compound Image at real-time frame rates for improved visualisation.

TRANSDUCERS

- Adult transthoracic 2D probe phased array matrix transducer with frequency ranging from $1-5 \pm 1$ Mhz
- Ault transtoracic 3D probe phase array matrix transducer with frequency ranging from $1-5 \pm 1$ Mhz
- Paediatric transthoracic 2D probe
- Adult transesophageal 3D probe
- Peadiatric transesophageal 2D probe
- Epi-arotic probe
- Vascular probe
- Linear array probe

Accessories

- 17" LCD screen
- Water-resistant footswitch
- Needle-guided bracket for convex transducer
- Needle-guided bracket for linear transducer
- Needle-guided bracket for endocavity transducer
- RTDT (real-time dynamic transfer of images and videos)
- SVVR (super volume video recording up to 1 hr)

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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