



## Analytical Technologies Portable Color Doppler Echo Cardio Graphy System



**ATL 3320 PCD**

### Specification:-

#### A. Technical Specifications

1. It is a State of the art Digital Technology System & is capable of performing Imaging applications like Adult, Paeditric Echo Cardiography, Musculoskeletal, Small parts, Urology, Vascular, Transcranial imaging..
2. The system incorporates facility for High-resolution 2D, M Mode, PW, CW, Colour Flow Imaging, Colour Power Angio Imaging, Directional Colour Power Doppler Imaging modes.
3. The equipment has minimum 1024 Digital Processing Channels or more.
4. The system has minimum 256 Grayscale or more.
5. All transducers have Broad Bandwidth Beamformer technology for extreme High Resolution 2D Imaging. Frequency range of the system is 1 to 15 Mhz or more. This is available without the need for frequency switching.
6. System supports extended field of view imaging or equivalent.
7. Facility for independent steering of B mode and Colour beam on linear probe
8. The system provides 170 dB or more full time input dynamic range
9. System has Pan Zoom facility on live and freeze images



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10. One touch image optimization & automatic real-time Doppler tracing
11. The system has automatic quantification of Doppler parameters to display userselected measurements.
12. System is new generation ergonomically designs to curve minimum injury to the operator.
13. An alphanumeric keyboard with illuminated keys and status display.
14. The system is able to support at least three Transducers.
15. System has a High resolution Non Interlaced TFT Monitor of 15 inches or more.
16. System has Image Management facility with facility for direct storage of Images and loops in the Hard Disk Drive and also thumbnail review to view & edit Images, loops and also reports.
17. Storage-has >2,00,0000 image storage facility in the hard disk drive. Has inbuilt hard disk for image storage
18. Archive-has inbuilt DVD-CD RW with the facility to transfer images.
19. System has USB ports.
20. Direct connectivity to Inkjet printer for printing images & report
21. The system has extensive Calculation software package for general measurement, Cardiac, Vascular, etc.

**B. Equipment with above features is offered with the following Broad Bandwidth Probes**

1. Linear Array Transducer with frequency range between 3 to 12 Mhz with tissue harmonic imaging
2. Phased Array Probe with frequency range between 2 to 4 Mhz for Adult Cardiac & Imaging applications.
3. Phased Array Probe with frequency range between 3 to 8Mhz for Pediatric. Cardiac Imaging applications.



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**Analytical Technologies Limited.**

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