

# AeroSCAN

Digital Ultrasound Imaging



## CD40

Color Doppler Ultrasound System

- 19" monitor with 10" touch panel.
- 4 probes + 1 pencil probes connectivity.
- C-XLasto - Elastography scanning.
- Live, Real time Panoramic imaging.
- Auto ES/LV trace.
- Stress Echocardiography.
- 2nd generation  $\mu$ scan technology.

# Excellent Performance

CD40 features advanced technology that gives you the ability to capture excellent images on routine or difficult exams. The innovative system architecture provides the foundation for its best-in-class capabilities. All the classic and newly invented features will take your imaging to the next level of excellence.



Novel piezoelectric materials and increased bandwidth of the CD40's transducers allow the use of a wide frequency range to capture uniformly clear images, even on the most demanding patients.



Innovative new PIH filters suppress noise in the signal to boost contrast resolution throughout the images, displaying highly improved 2D, color flow and spectral Doppler images.



The second-generation  $\mu$ -scan technology greatly improves the visibility of organs and lesions with improved, high-definition contrast resolution that suppresses speckle artifacts while maintaining real tissue architecture.



Real-Time panoramic and trapezoidal imaging expand your field of view, providing additional B-mode information and anatomical references of large organs and masses for easy measurement and high diagnostic efficiency.



Konica Minolta provides the CD40 with compression C-xlasto elastography to support assessment of tissue elasticity. The differences in tissue responses are detected and visualized in real-time through different graphical representations, which can be particularly helpful in analyzing breast, thyroid and musculoskeletal structures.



# CD40 is Powerful & Versatile



Interactive graphic touch screen to help facilitate uninterrupted scanning ▶



Scalable PC keyboard

Four active transducers ports improve your flexibility in moving through a wide range of applications. ▶

Flat LED display with articulating arm for viewing from any angle ◀



ECG connector

CW probe port

Fully Height-adjustable control panel enables optimal positioning with just one touch ◀

Highly maneuverable platform makes ward examination effortless. ◀

## Technical Specifications CD40 VIS PLATFORM FOR EASE OF OPERATION

|                                     |   |
|-------------------------------------|---|
| ■ <b>Imaging Mode</b>               | B, B/B, 4B, B/M, M, B/D, Color Doppler Imaging, Power Doppler Imaging, Bi-Directional Doppler, PW/ CW Doppler, Pulse Inverse THI, Real Time Dual B, Duplex, Triplex, TDI, Anatomical M Mode, 4D Color M Mode, Elastography etc. |
| ■ <b>Scanning Mode</b>              | Electronic Convex / Linear / Phased Array   |
| ■ <b>Gray Scale</b>                 | 256   |
| ■ <b>Display</b>                    | 19" Medical Grade LED Display + 10" Touch Screen  |
| ■ <b>Probe Frequency</b>            | Broad band 4 frequency selection, Working frequency 2MHz – 15MHz  |
| ■ <b>Probe Connector</b>            | 4 (standard) and 1 Pencil Probe, Keyboard movement up & down & swivel   |
| ■ <b>Dynamic Imaging Technology</b> | Dynamic frequency scan  |
| ■ <b>Gain Control</b>               | Overall Gain Control, 8 - Step TGC continuously adjustable  |
| ■ <b>Image Reverse</b>              | Left/Right, Up/Down   |
| ■ <b>Image Magnification</b>        | Upto 10X Smart zoom   |
| ■ <b>Cine Loop</b>                  | More than 1000 frames (Probe and Mode Dependent)  |
| ■ <b>Image Storage</b>              | Minimum 500 GB Hard Disk for inbuilt Digital Image storage, Inbuilt CD/DVD Drive  |
| ■ <b>Connectivity</b>               | High Speed USB, LAN Networking, DICOM 3.0, S-Video, VGA, Video, Remote print,   |
| ■ <b>System Upgrade</b>             | Flexible System upgrade through software  |
| ■ <b>Clinical Application</b>       | Abdominal, Vascular, Thyroid, Obs/Gynecology, MSK, Adult/Pediatric Cardiac, Urology, Neonatal Head, Small Parts, Transcranial, TEE, etc.  |
| ■ <b>Probes</b>                     | Convex / Linear / Micro Convex / Phased Array / Trans Vaginal / Transrectal / TEE, Volume Convex Transducers  |
| ■ <b>Optional</b>                   | Adult TEE Probe, Pediatric TEE Probe, Surgical (Hockey Probe), Bi-Plane Rectal Probe  |

### High Density Broadband Probes

|   |  |   |
|---|--|---|
| ■ SC53<br>Convex Probe<br>2 - 6 Mhz                      | ■ SL42<br>Linear Probe<br>Frequency<br>4.5 – 15 Mhz    | ■ SP21N<br>Adult Phased<br>Array Probe<br>2 - 4 Mhz  |
| ■ SP51N<br>Pediatric Phased<br>Array Probe<br>4 – 8 Mhz  | ■ SV63N<br>HD Trans Vaginal Probe<br>4 - 11 Mhz (200°)  | ■ VC26N<br>Volume Convex Probe<br>2 - 6 Mhz          |

