

V.A. MEDICAL CENTER
113 HOLLAND AVE
ALBANY, NY 12208

PO# 528-B33007

Qty	Item #	Description
1	SSD-ALPHA7S	PREMIER SURGERY CONSOLE
2	UP-D897MD	Sony B/W Digital Printer
2	UST-5534T-7.5	Steered Linear T-Shaped Probe
2	UST-5550	Flexible Laparoscopic Probe
4	SMALL-TRAY	Sterilization Tray - Small - at no charge
2	LARGE-TRAY	Sterilization Tray - Large - at no charge
1	MISC	1 Day Onsite BioMed Training - no charge

HDDF: High Density Digital Front End - Using nanotechnology, we have developed a unique high-speed digital processor specifically for ultrasonic signal processing. The ultrasound beam can be transmitted to and received from high-density probes through a wide aperture, enabling higher sensitivity imaging at a higher frequency.

HR-FSB: High Resolution Front Side Bus - Analog signals from each transducer are sampled at the frequency of 320 MHz and converted to 12-bit digital data, which is equivalent to as high as 4096 gradations.

PST: Pure Sound Transmission - Transmits only the signal components necessary for beam forming in a controlled waveform. The results are high sensitivity, high-resolution fundamental frequency images and tissue harmonic images.

HST (Hemispheric Sound Technology) Probe - The HST probe integrates comprehensive technologies including Fine transducer cutting, Micro-wiring, Reduced cross-talk between transducer elements, etc. The transducer creates sound sources close to an ideal hemispheric shape, which significantly reduces artifact and enhances spatial resolution.

D-THE: Definitive Tissue Harmonic Echo - Sharp and crisp images, high-contrast resolution, and superb spatial sensitivity of D-THE are the result of integrating both PST and HST technologies.

Standard Features on the

- 1.) Adaptive Image Processing for Speckle Reduction
- 2.) Spatial Compounding
- 3.) Tissue Doppler Imaging
- 4.) Free Angular M-Mode TM (Anatomical M-Mode)
- 5.) Complete set of all measurement packages
- 6.) DICOM
- 7.) DICOM SR
- 8.) Trapezoidal Scanning
- 9.) Real Time Auto Doppler Trace
- 10.) Contrast Harmonic Echo Package
- 11.) Extended Field View Package
- 12.) Very extensive list of transducer options
- 13.) TEE Probe Capabilities

Keyboard Cover – protective plastic custom covers that lays on the ultrasound keyboard protecting the system from fluids, etc.

25 Foot Cables – 25 foot S-Video and BNC cables for connection external monitors or other image storage devices.

T-Shaped Open Probe - Completely sterilizable probe with high-resolution Flat Linear technology 42mm footprint, 5 selectable imaging frequencies 5 to 10 Mhz. For use during open abdominal intra-operative cases.

Laparoscopic Probe - A flexible laparoscopic intra-operative probe, multi frequency probe (5-10) MHz. Completely sterilizable for the life of the probe.

– Black & White thermal printer for hard copy documentation of still ultrasound images.

– Custom fit aluminum tray designed to protect probes during sterilization and provide for safe, secure storage.

– Biomedical Training Program.

Technical Training Hitachi Aloka offers technical training seminars on our current line of products to our customers on a regularly scheduled basis. These seminars, which cover overall operation, features/benefits, signal flow, and calibration are held at our -facility and tuition fees are at no charge. All technical documentation required to support the system is provided to attendees