

DEPT. SURGICAL  
SHIP TO: CHIEF, AMMS (90D)  
V.A. Medical Center  
1601 SW ARCHER ROAD  
GAINESVILLE, FL 32608-1135

573-B55020

Qty	Item #	Description
1		<p>Premier Surgery Console: Advanced Technologies</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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</p>

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		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 Aloka Model Alpha 7S
		1.) Adaptive Image Processing for Speckle Reduction
		2.) Spatial Compounding
		3.) Tissue Doppler Imaging
		4.) Free Angular M-Mode <sup>TM</sup> (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
1		Sony B/W Printer (Replaces UP-D897MD)
2		Flexible Laparoscopic Probe - Completely sterilizable probe with high resolution technology, flexible convex scan head that moves in four directions, 5 selectable imaging frequencies, compatible with 10mm laparoscopic trocar. For use during laparoscopic intra-operative cases.*
2		Sterilization Tray - Medium, (Replaces Large-Tray)