Quotation Number:

Friday, December 12, 2014

UltraVision Photoacoustic Research Platform Quotation

One (1) Photoacoustic Research Platform based on the UltraVision 2 is capable of simultaneous real time imaging of photoacoustic and ultrasound examination of two dimensional planes in tissue.

The Platform incorporates a Console with electronics that perform:

a) high speed functions of synchronizing with a laser and forming acoustic lines from a multi-element transducer that are further formed into real time photoacoustic images in the pc.
b) Simultaneous acquisition, generation, display, and fusion of B-mode images interleaved with Photoacoustic images.
c) A synthetic receive aperture memory that facilitates full use of 128 or more elements to be beamformed (back-projected) from two or more laser flashes to attain wider field of view and higher photo acoustic resolution.

The Platform incorporates an Apple MacBook Pro 15 inch with retina display. The PC performs the functions of:

a) Accepting user instructions to optimize the images, cine playback functionality, recording video streams, data streams, and images.
b) Accepts the acoustic line data from the console to scan convert into images in the Graphic Processing Unit for linear arrays, curved linear arrays, and phased arrays.
c) The PC interfaces via network, Wi-Fi, optional DVD drive, or optional printers in standard media formats.
d) Recording raw RF channel data directly from the ADC's, post beamformed RF data, envelope detected data, and compressed 16 bit data.

The Platform also incorporates a 15 MHz transducer that is optimal for photoacoustic imaging. Alternatively 5, 8 or 20 MHz transducers may be substituted for the standard 15 MHz transducer at alternative costs.

The Platform incorporates a Photo Detector that interfaces to the Console to synchronize the Platform via a partially

The Platform conforms to the more detailed specifications given under the general specifications of the UltraVision System Specifications.

	$ 35,000.00
Substituting an 8MHz 38 mm linear array transducer for the 15 MHz array	$ 0.00
Substituting a 5 MHz curved linear single crystal transducer for the 15 MHz array	$ 1,000.00
Substituting a 20 MHz curved linear single crystal transducer for the 15 MHz array	$ 4,000.00
An additional Photo detector for second laser setup	$ 1000.00

(See separately downloadable Terms and Conditions of Sale and Terms and Conditions of Delivery)

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WinProbe Corporation is an accredited ISO13485:2003 / ISO 9001: 2008 manufacturer