

## MoleculUS™



MoleculUS is a dual-modality ultrasound and photoacoustic data acquisition unit that allows the simultaneous collection of ultrasound and photoacoustic channels sharing the same probe elements. The analog signal path of MoleculUS is split into PA and US paths. PA and US modes operate sequentially in time with support for US preview mode and continuous on-fly multiplexing between modes.

### Dual Modality System

- Allow simultaneous acquisition of PA and US signals with the same probe

### Available Imaging Modes

- B(2D), M, Color Doppler, and Pulsed Wave Doppler

### Available Transducer Frequency

- 1.5 MHz to 18.0 MHz

### High Channel Count

- 128– channel PA/US switchable plus 128 additional channels PA only

### PA Programmable Gain

- 46 to 91 dB

### Compact Size

- 45.0 cm x 19.0 cm x 6.8 cm