PhotoSound®
Imaging and Data Acquisition Solutions

Legion ADC Receives CE Mark

256-Channel Analog-to-Digital Converter

PhotoSound Technologies is proud to announce, that now, our Legion ADC's have the CE mark.

The Legion ADC is a 256-Channel Analog-to-Digital Converter that offers fully parallel operation for simultaneous data acquisition from all channels without multiplexing in an ultra-compact external USB enclosure with the ability to connect up to 16 ADC's in parallel.

It is used in the TriTom Imaging System which is a 3D Photoacoustic Fluorescence Tomography (PAFT) technology that provides unparalleled capabilities for whole body imaging and in vivo characterization of small animal models. Utilizing an innovative, compact configuration, simultaneous co-registered collection of orthogonal photoacoustic and optical projections can be acquired. The platform provides high-resolution robust anatomical registration of optical biomarkers, while maintaining high molecular sensitivity. A broad spectrum of preclinical research applications include cancer, toxicology, tissue engineering and regeneration, cardiovascular and developmental biology.

The Legion ADC has lead to significant publications, such as Lihong Wang's paper *High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation,* in which the system was used to reveal detailed angiographic information in biological tissues ranging from the rodent brain to the human breast.

PhotoSound Technologies, Inc. was founded in September 2015 in Houston, Texas USA after attending the NIH inaugural I-Corps Program. The companies mission is to develop and commercialize new biomedical imaging technologies based on optics and photo-acoustics. Engineers and scientists at PhotoSound possess some of the best expertise in the market. Their skills encompass development of biomedical systems and associated software, including imaging instrumentation, complex electronic boards for data acquisition and control, transducers, sensors and tunable lasers.

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