

# Coming Fall 2023



## LEGION™ ADC-128-80

The LEGION ADC offers fully parallel operation for simultaneous data acquisition from all channels without multiplexing in an ultra-compact external USB enclosure. Each unit supports 128 element detectors. It was designed by PhotoSound for massive parallel data acquisition utilized in photoacoustic, laser-induced ultrasound, and X-ray acoustic real-time imaging applications.

### Fast

- 128 Channels at 80 MS/s

### Real-Time Streaming

- Continuous streaming with no buffering or multiplexing

### High Channel Count

- 128- 4096 Channels  
(1-24 Legion ADC's in parallel)

### Dual Optical/ Electrical Trigger

- Up to 200 Hz

### Programmable Gain

- 9 dB to 48 dB (additional 40dB preamplifiers available)

### Compact Size

- 27.69 cm x 18.0 cm x 1.81 cm

**TII** 東京インストルメンツ  
**TOKYO INSTRUMENTS**

本社: 〒134-0088 東京都江戸川区西葛西6-18-14 T.I.ビル ☎03-3686-4711  
大阪営業所: 〒532-0003 大阪府大阪市淀川区西宮4-1-46 新大阪北ビル ☎06-6393-7411  
☐ <https://www.tokyoinst.co.jp> ✉ [sales@tokyoinst.co.jp](mailto:sales@tokyoinst.co.jp)

**PhotoSound Technologies, Inc.**

9511 Town Park Dr Houston, TX 77036 USA

<https://photosound.com/>

[info@pst-inc.com](mailto:info@pst-inc.com)