

Wind Lidar Acquisition System



Wellenreiter™ Waverider™

The Licel Waverider™ is a powerful data acquisition and data processing system. It is based on a high speed and wide dynamic range A/D converter together with a hardware accelerated FFT processor in a FPGA. FFTs are averaged for a user defined number of shots.

This hardware outperforms PC based post-processing solutions and acquires your wind lidar signals at a duty cycle >95% with up to 6 Mio FFTs/second and a 32 frequency averaged output. It comes with open LabVIEW and C-sources to read the data from the instrument and gives full access to the raw spectral data.



Features:

- 12-bit ADC/400Ms/s
- >95% duty cycle
- hardware accelerated FFTs with full user access:
 - 1.5 Mio FFT/s with 128 frequencies
 - 3.0 Mio FFT/s with 64 frequencies
 - 6.0 Mio FFT/s with 32 frequencies
- Averaged frequency spectrum output for each range bin
- Trigger input (slave mode)
- 100/1000 Ethernet interface
- LabVIEW and C sources

International distribution:

Asian Pacific Rim: USA:

Electronics Optics Res., Ltd.
3-fl., Onoda Building,
4-26-19, Koenzi-Minami-Ku
Tokyo 166, Japan
phone 03-3314-5699
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www.eor.jp

Boston Electronics Corp.
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Brookline MA 02445
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phone (800) 347-5445
e-mail: jjd@boselec.com
www.boselec.com

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3/1 Royale Palm Residency
Palmgrove Road Victoria Layout
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phone +91 80 25575500
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United Kingdom:

Photonic Solutions Ltd.
Unit 2.2 Quantum Court Heriot Watt
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