

# 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
- Price: € 16 000

### 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  
email: takishima@eor.jp  
www.eor.jp

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

#### India:

Digilog Technologies Pvt. Ltd.  
# 3/1 Royale Palm Residency  
Palmgrove Road Victoria Layout  
Bangalore 560047 Karnataka India  
phone +91 80 25575500  
email: digilogsys@gmail.com  
www.digilogsys.in

#### United Kingdom:

Photonic Solutions Ltd.  
Unit 2.2 Quantum Court Heriot Watt  
University Research Park  
Currie EH14 4AP  
phone 0131 664 8122  
email: sales@psplc.com  
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#### Other countries:

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