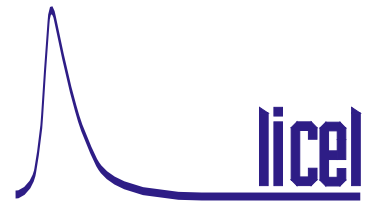


# Wind Acquisition System 250MHz



## 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 3.9 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:

- 14-bit ADC/250Ms/s
- >95% duty cycle
- hardware accelerated FFTs with full user access:
- 0.9 Mio FFT/s with 128 frequencies
- 1.9 Mio FFT/s with 64 frequencies
- 3.9 Mio FFT/s with 32 frequencies
- Averaged frequency spectrum output for each range bin
- Up to 4 Trigger inputs (Coherent DIAL)
- 100/1000 Ethernet interface
- LabVIEW and C sources, netCDF data file

### International distribution:

#### Asian Pacific Rim:

Electronics Optics Res., Ltd.  
3-fl., Onoda Building,  
4-26-19, Koenzi-Minami-Ku  
Tokyo 166, Japan  
phone 03-3314-5699  
fax 03-3314-2333  
email: takishima@eor.jp  
www.eor.jp

#### USA:

Boston Electronics Corp.  
91 Boylson Street  
Brookline MA 02445  
USA  
phone (800) 347-5445  
fax (617) 731-0935  
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  
fax +91 80 41126664  
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  
fax 0131 664 8144  
email: sales@psplc.com  
www.psplc.com