

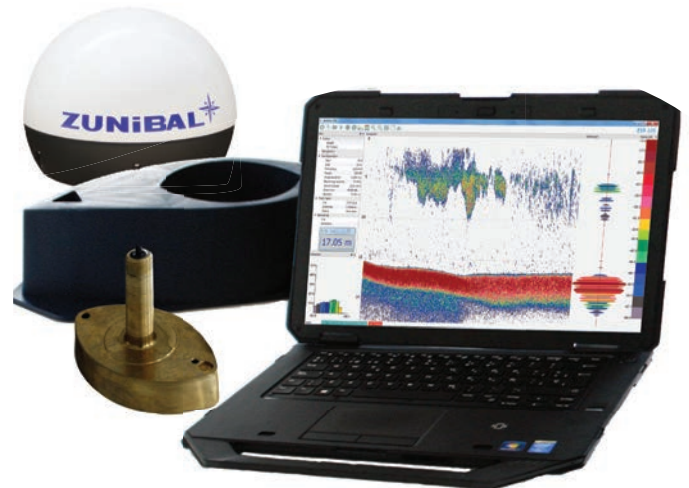


## 1 ADVANTAGES

- » Low Cost
- » Low Power Consumption
- » User Friendly Logging Software
- » Built-in Calibration Software
- » Raw and Echoview® format files output
- » Replay of Data
- » GPS, Temperature, Pitch and Roll Integrated Data
- » Technical Support

## 2 FEATURES

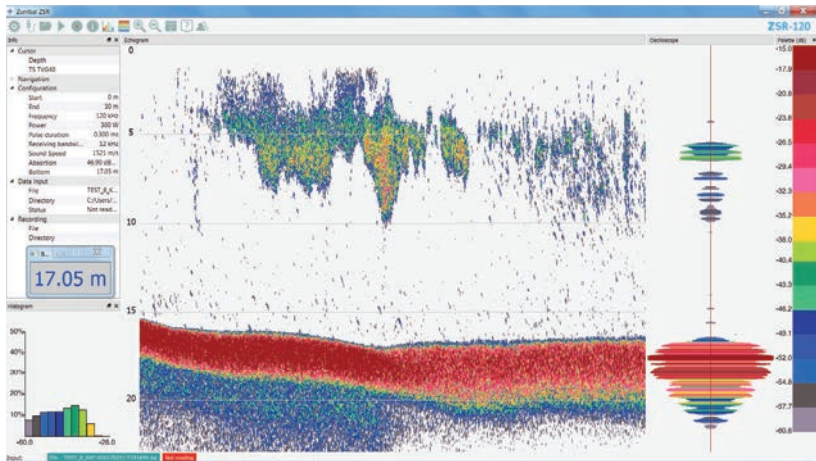
- » Frequencies: 50, 120 and 200 kHz
- » Fishing and Scientific operational modes: Active/Passive, Replay, Record and Calibration
- » Electrical Transmit Power adjustable in steps
- » Pulse Duration adjustable in steps
- » Ping Rate adjustable
- » Receiver Dynamic Range of 120 dB
- » Airmar® transducer



The Zunibal ZSR scientific echo sounders can collect and store accurate acoustic backscattering data that can be post-processed and replayed. They are principally designed for fishery research; however, due to their flexibility and ease of use are also suitable for professional fisheries. Their modular architecture allows both fix mounting and portable version.



### 3 SOFTWARE



- » Compatible with Windows XP, 7, 10
- » Transceiver control: operation mode, transmit power, pulse duration, ping rate, data collection range, maximum output file size
- » Manual input: temperature, salinity, sound speed, absorption, gain, equivalent beam angle
- » 11 colour palettes
- » Echogram view:
  - Volume Backscattering strength
  - Target strength
- » Built-in calibration application
- » External sensor inputs: GPS, Temperature, Pitch and Roll

### 4 SYSTEM LAYOUT

- » Modular Architecture
- » Robust and easy to maintain
- » Portable version in rugged case
- » Usable with third-party computer with minimum specifications
- » Able to connect with other sensors and systems
- » Ethernet communication

