

Echoview 7.1 release notes

Echoview 7.1 contains support for several new file formats alongside improvements to already-supported file formats.

This release is free for all users with licenses that are valid for Echoview 7. Please contact sales@echoview.com to find out if your license has access to Echoview 7 and 7.1.

Simrad EK80 live viewing

Simrad EK80 narrowband and wideband data can now be viewed and processed in Echoview in real time. Echoview 7.1 includes the new utility programs Echolog 80, which broadcasts raw data being logged by an EK80 system, and Echosim 80, which simulates EK80 data logging (for testing purposes).

Viewing and processing EK80 data in real time requires Echoview's Live Viewing module.

ASL Environmental Acoustic Zooplankton Fish Profiler

Support for ASL Environmental's Acoustic Zooplankton Fish Profiler (AZFP) has been added to Echoview 7.1. ASL's AZFPLink software has had the ability to export AZFP data to an Echoview-compatible text file format for some time but Echoview is now able to read raw binary data files directly, bringing considerable performance and usability benefits.

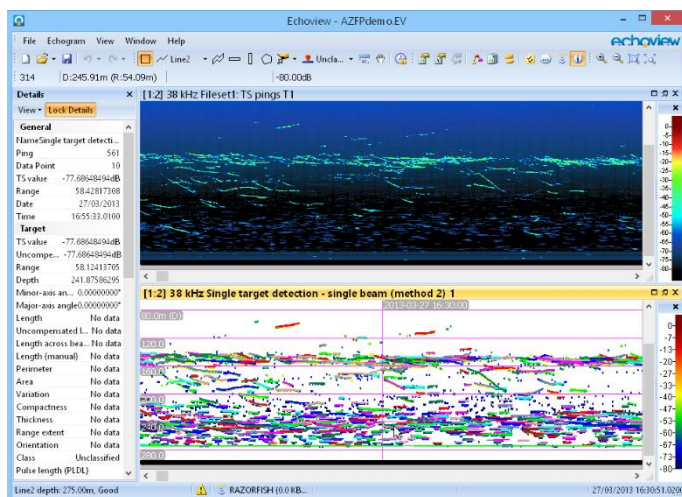


Figure 1: AZFP data in Echoview. The bottom window shows single target detections outlined with fish track regions, with the original point backscattering strength data from which targets were detected shown in the top window.

Sonic KFC-6000/KSE-300

Echoview now supports data logged by Sonic KFC-6000 and KSE-300 echosounders. Data files can be added to EV files and a selection of raw variables are extracted. Single targets can be detected using this data, with a Sonic beam compensation algorithm available for the correction of target strength values due to beam directivity.

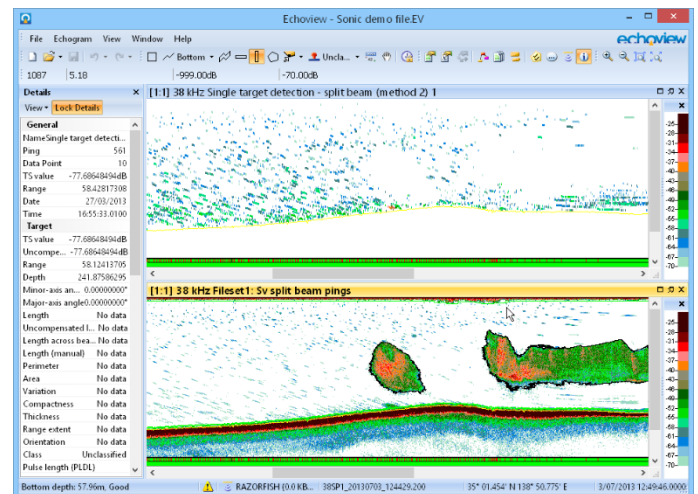


Figure 2: KFC-6000 data in Echoview showing single target detections in the top window and raw Sv data with school detections in the bottom window.

Other improvements

- New setting in Single Target Detection – Wideband operator for window size. You can now define a zone above and below each target when examining spectral differences in the target frequency response graph.
- A new pop-up warning that can be displayed by Echolog 60 and Echolog 80 when a lack of recent echosounder data logging activity has been identified.
- New COM method RemoveAll to remove all data files in a Fileset.
- Simrad EK80 updates:
 - Frequency-dependent beam compensation for wideband targets.
 - Changes to the names of some Simrad EK80 wideband calibration settings.
 - Reading annotations saved to file and converting to marker regions.
 - Reading MRU0 packets containing heading, pitch, roll and heave data.
- Stability and performance improvements