



SonarWiz Interfaces

Real-time (R/T) sonar data acquisition interfaces supported
 Single-beam and Magnetometry R/T acquisition are free with
 ANY sonar R/T license

SonarWiz can acquire and process data from the following sonar models:

Sidescan Sonar:	(XTF file recorded)	Sub-bottom sonar:	(SEG file recorded)
Analog 16-bit: (examples)	- Geoacoustics SS - Klein 595, 2000 SS - Edgetech 260/272 - C-MAX 800 series	Analog SB: (examples)	- Sparkers, Boomers, - Bubble-guns, Pulsers
C-MAX	CM2 USB	Edgetech	3000 (X-Star), 3100, 3200 FSSB (e.g. SB216, SB424)
Edgetech	- 4100 - 4125/4200 via Ethernet - 4125 via USB/COM port - 4125 via USB/COM port	Falmouth Scientific	HMS-622 ChirpCeiver
Falmouth Scientific Kongsberg- Geoacoustics Ltd.	- HMS-624 Swordfish SS - Digital SS - Pulsar SS	Kongsberg- Geoacoustics Ltd	Geopulse Analog SB Geopulse Plus Digital SB
Imagenex	- Sportscan, Yellowfin	Innomar Knudsen SyQwest	SES-2000 SB Knudsen SB (Beta) Stratabox, Hydrobox Bathy2010, Bathy2010PC Chirp III, Echotrac
Jetasonic	- SS arrays (7.04**)	Teledyne-Odom	
Klein	- 3000, 3900, 4900 - 5000, 5000V2 - 5900 w/gap-fill	Combined SS/SB:	
Knudsen	- 320 (Beta)	Edgetech	- 2000 SS/SB
Marine Sonic (now Atlas NA)	- HDS and SeaScan - ARC Explorer	HUGIN	- AUV SS/SB
R2Sonic	- 202X series w/TruePix	Klein	- 3000 SS/SB
SyQwest	Aquascan	Teledyne-Odom	- 1625
Teledyne-Odom	1624	Bathymetry Sonar:	(XTF file recorded)
Tritech	Starfish 450/990, Seaking	Edgetech	- 4600/6205 SS/bathy
		Klein	- 5900 SS/bathy
		PingDSP	- 3DSS SS/bathy
		R2Sonic	- 202X single-headed
		NORBIT	- iWBMS supported
		LiDAR	- Velodyne VLP-16, 32 supported
		RESON	- in progress (pre-BETA)
		Single-beam Sonar:	TXT file recorded
		Various vendors	All NMEA-0183-compliant models, supporting DBT / DPT messages \$ISADS / \$ISADA packets
		ISA500	

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NOTE: (7.04**) denotes a feature coming in version 7.04

Chesapeake Technology, Inc.
 1605 W. El Camino Real, Suite 100
 Mountain View, CA 94040

phone: (650) 967-2045
fax: (650) 903-4500
www.chesapeaketech.com



SonarWiz File Format Import

SonarWiz supports import of the following file-types:

Note: All file formats in a category may be imported with the post-processing license of that category.

Sidescan Import File Types:

- C-MAX (*.XTF, *.CM2)
- CODA (*.COD)
- Edgetech (*.JSF)
- eXtended Triton Format (*.XTF)
- Geoacoustics (*.GCF, *.RDF, *.RFF)
- Humminbird side-view (*.DAT)
- HYPACK (*.HSX)
- Imagenex Sportscan (*.81S)
- Imagenex Yellowfin (*.872)
- Imagenex Delta T Backscatter (*.83P)
- Innomar SS (*.SES)
- Klein (*.SDF)
- Kongsberg EM backscatter (*.ALL)
- Kongsberg (Simrad) EA400/600 Backscatter (*.RAW)
- Kongsberg (ProSAS, HI SAS 1030) (*.IMG, *.XTF)
- Kongsberg PULSAR SS (*.XTF, *.SMB)
- Lowrance (*.XTF or *.SL2 or *.SL3)
- Marine Sonic (*.MST, *.SDS)
- QMips (*.DAT, *.QMP)
- QPS (*.QPD, *.DB) (7.04**)
- R2Sonic (*.R2S, *.XTF)
- RESON (*.S7K)
- Seabeam2100 (*.MB41)
- Sonardyne Solstice (*.SWF8)
- SwathPlus Raw/Processed (*.SXR, SXP)
- Swedish Geo Survey (*.SEG, *.SGY)
- Tritech (*.V4Log, *.LogDoc, *.XTF)

Single-beam Import File Types:

- ISA500 - M39 format recorded by HYPACK
- MLG - EASYNVAV variety
- TXT - recorded format saved by SonarWiz
- See the Single-beam Reference PDF for format details

Magnetometry Import Formats:

Many sentence formats supported using a template-based import design. See the Magnetometry Post-processing Reference PDF for details

Sub-bottom Import File Types:

- SEG-Y (*.SEG, *.SGY, *.TRA)
- XTF (*.XTF)
- EdgeTech JSF (*.JSF)
- GeoAcoustics (*.GCF)
- CODA (*.COD)
- Humminbird (*.DAT)
- Innomar SB (*.SES)
- Klein 3000 (*.SDF)
- Kongsberg (*.RAW)
- Lowrance (*.SL2, *.SL3)
- Tritech (*.V4Log)
- Atlas Parasound (*.ACF, *.ASD)
- Specialty Devices (SDI) (*.BSS)
- SyQwest ODC (*.ODC)
- Knudsen KEB (*.KEB) incl. D0-D3 and B9 formats
- Mala GPR (*.RAD)
- Specialty Devices Inc (SDI) (*.BSS)

Bathymetric Import Formats:

- EdgeTech JSF (*.JSF)
- Generic Sensor Format (*.GSF)
- GeoAcoustics (*.RDF, *.RFF)
- HYPACK bathy / backscatter (*.HSX, *.HS2, *.HS2X)
- Imagenex Delta T (*.83P) and DT 100 (*.D1P)
- Klein (*.SDF)
- Kongsberg (*.ALL)
- KRAKEN (*.TIL) (7.04**)
- Lowrance StructureScan (*.SL3)
- MB-System (*.FBT)
- NORBIT iWBMS bathymetry (*.HSX, *.XTF)
- R2Sonic with TruePix or Snippets (*.R2S)
- RESON with Backscatter or Snippets (*.S7K)
- RESON via HYPACK (*.7K)
- Sea SWATHPLUS (*.SXI)
- Sonardyne Solstice (*.SWF8)
- Triton eXtended Format (*.XTF)

- Velodyne VLP-16 / VLP-32 LiDAR (*.HSX, *.XTF)
- WASSP multi-beam (*.NWSF)