

Single beam Classification Support

**Green -
Supported**

**Blue -
Available Soon**

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Modern echosounders increasingly provide the capability to log the full digital echo from the seabed, not simply the depth. This digital information can be processed for seabed classification. Data from the following digital echosounders can be read directly into QTC IMPACT classification software.

Supported System	XTF	OEM Format
Biosonics		DT4
Knudsen 320M		KEB
Kongsberg Simrad EA400; EA600; EK60		*.RAW
Odom (logged by E-Chart or ChartVIEW)		
SonarData EchoVIEW (See list below)		ISAH DB
QTC VIEW 5.5 acquisition		FWF; Env

In addition, through processing in SonarData's EchoVIEW, and outputting with EchoIMPACT export module, data from the following digital echo sounders can be read in QTC EchoIMPACT bottom classification software.

System	EchoVIEW supported models
BioSonics	102, DE4000, DE5000, DE6000, DT4000, DT5000, DT6000, DTX series
Furuno	FQ80, ETR-30N
HTI	241, 243, 244 split beam systems
Kaijo	KFC-500, KFC-1000, KFC-2000, KFC-3000
Precision Acoustic Systems	PAS-103 single beam and Pas-103 split beam systems
Kongsberg Simrad	EK60, EQ60, ES60, EY60, EK500, EA500, EY500, EA400, EA600
SonarData	Echo Listener

If your single beam echo sounder DOES NOT APPEAR in the above lists, you will need to add a QTC VIEW 5.5 data acquisition system. QTC VIEW 5.5 will operate with analogue echo sounders, or with digital echo sounders that only provide digital depth information.

QTC VIEW 5.5 acquisition system

Feature	Requirement
Frequency	22 kHz to 220 kHz
Pulse length	Must have full manual control
Depth range	Less than 1m to 2000m, echosounder dependant
Beam width	Wider beamwidth preferable
Power	Manual control preferable