

Single beam Classification Support

**Green -
Supported**

**Blue -
Available Soon**

Last Updated: April 14, 2010



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

QTC SWATHVIEW supported systems

Green -
Supported

Blue -
Available Soon

Red -
Not supportable



This list of supported systems/formats is growing constantly. If you don't see your system on the list, please contact us.

Last Updated: May 31, 2010

Atlas Multibeam

System	SURF	EIVA	ASD	HSX	Frequency	Beams	Depth (m)
Fansweep 15					200	600	
Fansweep 20					100 or 200	128 to 1440	To 600
Fansweep 30					100 or 200	n/a	To 500
H'sweep MD-2/30					28	Up to 320	10 to 5000
H'sweep MD-2/50					50	Up to 320	10 to 5000
H'sweep MD-3					24	395	6 to 6000
H'sweep DS-2					15.5	345	10 to 11000
H'sweep DS-3					15.5 to 24		6 to 11000

Benthos Sidescan

System	XTF	Frequency
SIS-1500		
C3D		

DSME E&R Sidescan

System	XTF	Frequency
SonarBeam		

Edgetech Sidescan

System	XTF	JSF Native	Frequency	Depth
DF1000			100 and 400	1000
2200M (ROV)				6000
2400DDS			75,120,410	6000
4100			100 and 500	1000
4125 dual freq			400/900 400/1250	100
4200 dual freq			100/300/400/ 600/900	2000
4300MPX			270 or 410	300
4400SAS			120	
4700			300/600	300

GeoAcoustics Sidescan

System	XTF	GeoPro	Frequency	Depth
Dual frequency			114/410	
Digital			114/410	
GeoSwath Plus			125 or 250 or 500	200or100or50

Imagenex Sidescan

System	XTF	*.872	Frequency	Depth
Sportscan			330 or 800	30
Yellowfin			260/330/770	300

Klein Sidescan

System	XTF	SDF	Frequency	Depth (m)
595			100 and 500	1000
2000			100 and 500	
3000			100 and 500	1500
3000H			500 and 900	1500
5000/5410Intf/5500			455	200

QTC SWATHVIEW supported systems



**Green -
Supported**

**Blue -
Available Soon**

**Red -
Not supportable**

Knudsen Sidescan

System	XTF	Frequency	Depth
200			

Kongsberg Simrad Multibeam

System	*.all Native	*.all Hypack	Frequency	Beams	Depth (m)
12					
120			12	191	50-11000
121			12	121	10-11000
122			12	121	20-11000
300			30	135	5 to 5000
302			30		10-7000
710RD			70-100		3 to 600
710S			70-100		3 to 1000
710			70-100	200-800	3 to 2000
950			95	120	2 to 300
1000					
1002			95	111	2 to 1000
1002S			95	111	2 to 300
2000-120			200	111	1 to 250
2000-150			200	111	1 to 250
2040			200-400		0.5-400
3000			300	127	0.5 to 150
3000D			300	254	0.5 to 150
3002			300	254	0.5 to 150
3002S			300	254	0.5 to 150
3002D			300	508	0.5 to 150

L-3 Seabeam Multibeam

System	XSE	MB41	HSX	Frequency	Beams	Depth (m)
1050				50	126	3000
1055				50	126	1500
1180				180	126	600
1185				180	126	300
2100						
2112						
2120				20	151	8000
3012				12	205	11000
1050D				50/180	126	3000
1055D				50/180	126	1500

Marine Sonic Sidescan

System	XTF	MSTiff Native	SDS Native	Frequency
Sea Scan PC				150 to 1800
Sea Scan HDS				150 to 1800
Sea Scan HDS - Embedded AUV				150 to 1800

Odom Multibeam

System	HSX	Frequency	Beams	Depth (m)
Echoscan		200	30	2 to 100
ES3				

Odom Sidescan

System	XTF	Frequency
Odom		

QTC SWATHVIEW supported systems



**Green -
Supported**

**Blue -
Available Soon**

**Red -
Not supportable**

R2Sonic Multibeam

System	XTF	HSX	PDS2000	EIVA SBD	Frequency	Beams	Depth
2022	Blue	Blue	Green	Blue			
2024	Blue	Blue	Green	Blue			

Reson Multibeam

System		XTF	HSX	PDS2000	EIVA SBD	Frequency	Beams	Depth (m)																																																																																																																																																										
7101	Sidescan					240	up to 511	0.5-500																																																																																																																																																										
	Snippets								7111	Sidescan			Green		100	up to 301	3-1000	Snippets			Green		7125	Sidescan		Green	Green		200 and/or 400	512	0.5-500	Snippets		Green	Green		7125-AUV	Sidescan			Green		200 and/or 400	512	0.5-500	Snippets			Green		7150	Sidescan		Green	Green		12 or 24	up to 855	max 6000	Snippets		Green	Green		8101	Sidescan	Green	Green	Green	Green	240	101	300	Snippets	Green		Green	Green	8111	Sidescan	Green				100	101	600	Snippets	Green				8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data			
7111	Sidescan			Green		100	up to 301	3-1000																																																																																																																																																										
	Snippets			Green					7125	Sidescan		Green	Green		200 and/or 400	512	0.5-500	Snippets		Green	Green		7125-AUV	Sidescan			Green		200 and/or 400	512	0.5-500	Snippets			Green		7150	Sidescan		Green	Green		12 or 24	up to 855	max 6000	Snippets		Green	Green		8101	Sidescan	Green	Green	Green	Green	240	101	300	Snippets	Green		Green	Green	8111	Sidescan	Green				100	101	600	Snippets	Green				8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140										
7125	Sidescan		Green	Green		200 and/or 400	512	0.5-500																																																																																																																																																										
	Snippets		Green	Green					7125-AUV	Sidescan			Green		200 and/or 400	512	0.5-500	Snippets			Green		7150	Sidescan		Green	Green		12 or 24	up to 855	max 6000	Snippets		Green	Green		8101	Sidescan	Green	Green	Green	Green	240	101	300	Snippets	Green		Green	Green	8111	Sidescan	Green				100	101	600	Snippets	Green				8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																								
7125-AUV	Sidescan			Green		200 and/or 400	512	0.5-500																																																																																																																																																										
	Snippets			Green					7150	Sidescan		Green	Green		12 or 24	up to 855	max 6000	Snippets		Green	Green		8101	Sidescan	Green	Green	Green	Green	240	101	300	Snippets	Green		Green	Green	8111	Sidescan	Green				100	101	600	Snippets	Green				8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																						
7150	Sidescan		Green	Green		12 or 24	up to 855	max 6000																																																																																																																																																										
	Snippets		Green	Green					8101	Sidescan	Green	Green	Green	Green	240	101	300	Snippets	Green		Green	Green	8111	Sidescan	Green				100	101	600	Snippets	Green				8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																				
8101	Sidescan	Green	Green	Green	Green	240	101	300																																																																																																																																																										
	Snippets	Green		Green	Green				8111	Sidescan	Green				100	101	600	Snippets	Green				8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																		
8111	Sidescan	Green				100	101	600																																																																																																																																																										
	Snippets	Green							8124	Sidescan	Green	Green	Green		200	40 or 80	400	Snippets	Green		Green		8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																																
8124	Sidescan	Green	Green	Green		200	40 or 80	400																																																																																																																																																										
	Snippets	Green		Green					8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120	Snippets	Green		Green	Green	8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																																														
8125	Sidescan	Green	Green	Green	Green	455	240	0.5-120																																																																																																																																																										
	Snippets	Green		Green	Green				8150	Sidescan	Green				12 and/or 24	234	12000	Snippets	Green				8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																																																												
8150	Sidescan	Green				12 and/or 24	234	12000																																																																																																																																																										
	Snippets	Green							8160	Sidescan	Green				50	126	10-3000	Snippets					9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																																																																										
8160	Sidescan	Green				50	126	10-3000																																																																																																																																																										
	Snippets								9001	Support Not Possible as system does not capture Image Data					455	60	140	9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																																																																																								
9001	Support Not Possible as system does not capture Image Data					455	60	140																																																																																																																																																										
9003	Support Not Possible as system does not capture Image Data					455	40	140																																																																																																																																																										

SEA SWATHplus Interferometric Sidescan

System	XTF	SXP/SXR Native	Frequency	Depth
SEA SWATHplus		Green	117 or234 or468	300or150or75

Tritech Sidescan

System	XTF	GeoPro	Frequency
Starfish	Green		