

3200

SUB-BOTTOM PROFILING SYSTEM

I FEATURES

- Choice of 3 towfish depending on the application
- Low frequency for greater penetration
- Pole mount option for shallow water surveys

APPLICATIONS

- · Geological Surveys
- · Geohazard Surveys
- · Sediment Classification
- · EEZ Resource Development
- · Buried Object Location
- · Bridge/Shoreline Scour Surveys
- · Mining/Dredging Surveys





The EdgeTech 3200 Sub-bottom Profiling System is a wideband Frequency Modulated (FM) sub-bottom profiler utilizing EdgeTech's proprietary Full Spectrum CHIRP technology. The 3200 generates high resolution images of the sub-bottom stratigraphy in oceans, lakes, and rivers and provides penetration of up to 200m.

The 3200 comes available with a choice of three stable, low drag towfish that operate at different frequencies and can be used at depths of up to 300m. The selection of towfish depends on the sub-bottom characteristics as well as the resolution and penetration requirements.

Along with a towfish, a standard 3200 system comes with a topside processor running EdgeTech's DISCOVER sub-bottom acquisition & processing software as well as a customer-specified length of tow cable. Additional optional sensors are also available.



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KEY SPECIFICATIONS

TOWFISH	SB-0512i		SB-216S	SB-424
Frequency Range	500 Hz-12 kHz		2-16 kHz	4-24 kHz
Vertical Resolution (depends on pulse selected)	8–20 cm		6-10 cm	4-8 cm
Penetration (typical)				
In coarse calcareous sand	20 meters		6 meters	2 meters
In clay	200 meters		80 meters	40 meters
Length	160 cm	1	105 cm	77 cm
Width	124 cm		67 cm	50 cm
Height	47 cm	1	40 cm	34 cm
Weight in Air	204 kg		76 kg	45 kg
Weight in Water	68 kg		32 kg	18 kg
Depth Rating			300 meters	
Width Height Weight in Air Weight in Water	124 cm 47 cm 204 kg		67 cm 40 cm 76 kg 32 kg	50 cm 34 cm 45 kg

TOPSIDE PROCESSOR		
Hardware	E	Standard 19 inch rack mount with portable aluminum enclosure for transport
Operating System	Ē	Windows XP
Display		High resolution 21 inch flat panel display
Archive		Hard drive and/or DVD-R/W
File Format		Native JSF or SEG-Y
Output		Ethernet
Power Input	Ē	120/220 VAC

SYSTEM OPTIONS

Integrated depth sensor, USBL acoustic tracking system







II SB-0512i

II SB-216S

III SB-424

For more information please visit EdgeTech.com