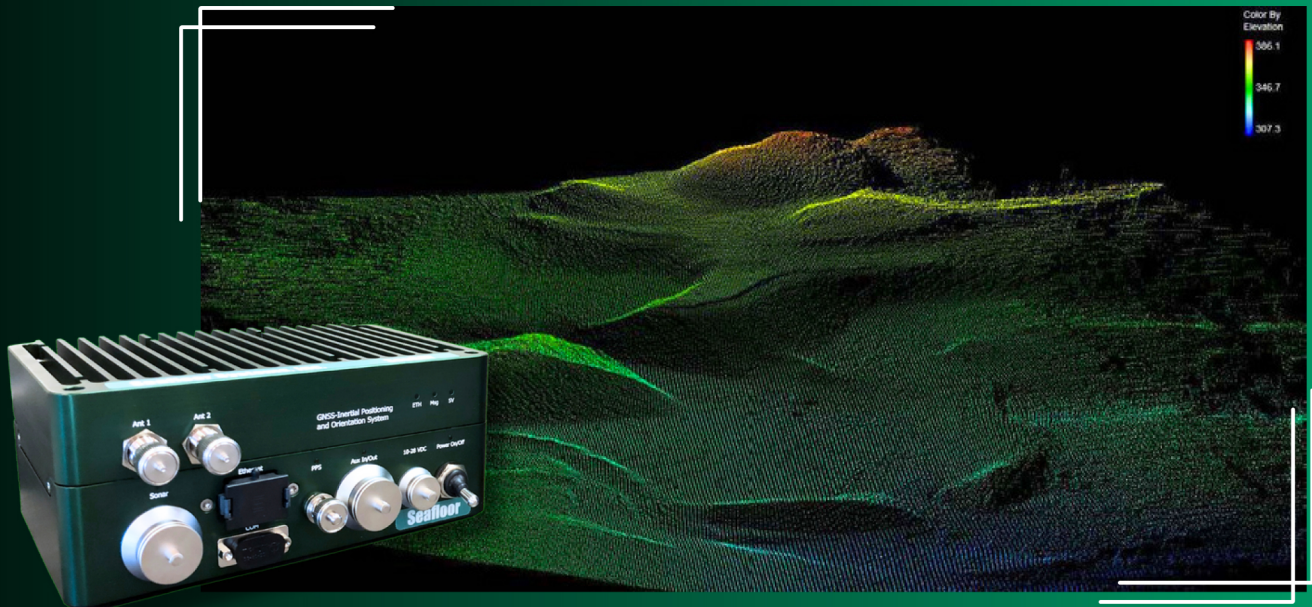




SeaRAY™ Multibeam Echosounder



The SeaRAY™ is a compact, energy-efficient multibeam sonar for easy USV integration. Its hydrodynamic design extends battery life for surveys in ponds, lakes, rivers, and dredge pits. Data acquisition software included.



Specifications

FREQUENCY RANGE

400-550 (kHz)

SWATH COVERAGE

Up to 130°

NUMBER OF RX BEAMS

512

ALONG - TRACK BEAM WIDTH

1.45° - 550 (kHz)

ACROSS - TRACK BEAM WIDTH

1°±0.1

BEAM DISTRIBUTION

Equidistant and equiangular beam distribution

ROLL STABILIZATION

Included

PRESSURE RATING

100m

GNSS / INS

INS Integrated into Sonar Transmit Head

PITCH / ROLL ACCURACY

0.03° Independent of Antenna Separation

HEADING ACCURACY

0.08° (RTK) with 2m Antenna Separation

TOPSIDE RATING

IP67 (Dust & Water Tight, Submersible up to 1m)

HEAVE ACCURACY

2cm or 2% (TRUEHEAVE™). 5cm or 5% (Real Time)



POSITION

HOR: ±(8mm +1ppm X Distance from RTK Station)
VER: ±(15mm +1ppm X Distance from RTK Station)
(Assumes 1m GNSS Separation)

COMPATIBLE WITH

HYPACK, Qinsy, EIVA, Other
Prominent Brands

PING RATE

50 Hz

OUTPUTS

Bathymetry, Sidescan

POWER CONSUMPTION

50W

WEIGHT

3.5kg (Air), 1.2kg (Water)

RANGE

200m