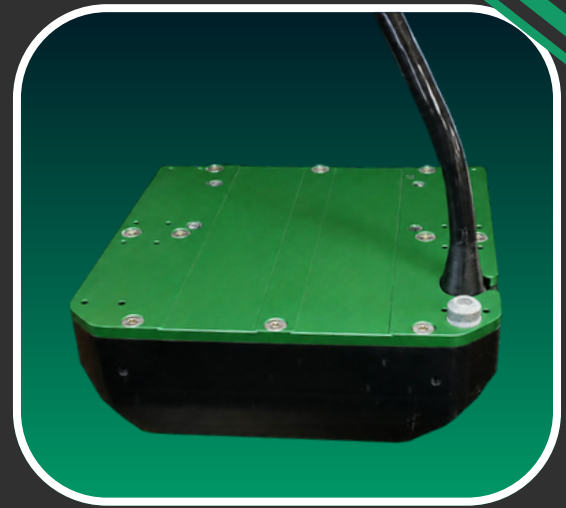
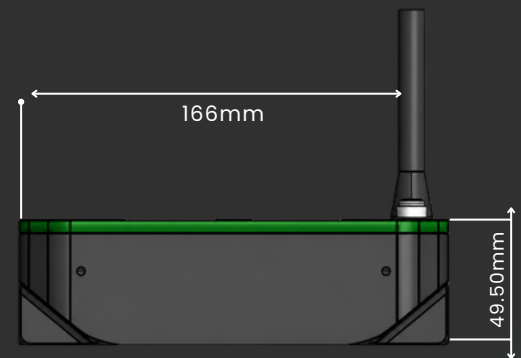


Scout Multibeam Sonar

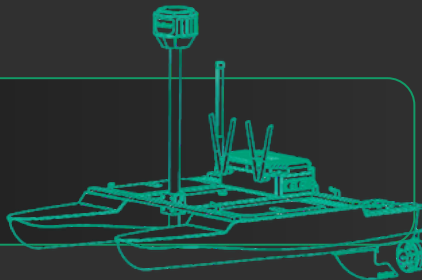


ABOUT

The Scout Multibeam Sonar removes the complexity of traditional systems, delivering real-time, fully georeferenced bathymetric data through any web browser. Lightweight and plug-and-play, it enables fast recon surveys and simple, professional underwater mapping on Seafloor USVs.



The first ever Multibeam Sonar to work with our HyDrone USV line-up!



FREQUENCY RANGE
400 (kHz)

SWATH COVERAGE
Up to 150°

GNSS/INS
Yes, INS integrated in Sonar Transmit Head

HEADING ACCURACY
0.08° (RTK) with 2m Antenna Separation

POSITION
HOR: $\pm(8\text{mm} + 1\text{ppm} \times \text{Distance from RTK Station})$
VER: $\pm(15\text{mm} + 1\text{ppm} \times \text{Distance from RTK Station})$
Assumes 1m GNSS Separation)

NUMBER OF RX BEAMS
512

TX BEAM WIDTH ALONG-TRACK
1.4°

PITCH/ROLL ACCURACY
0.03° Independent of Antenna Separation

PRESSURE RATING, SONAR HEAD
50m

POWER CONSUMPTION
20W

ROLL STABILIZATION
Yes

OUTPUTS
Bathymetry, Side Scan

PING RATE
60 Hz

RANGE
200m

WEIGHT
1.7Kg