

NOTUS

MANTIS | NOTUS
SYSTEM

MANTIS

The Notus Mantis is a wireless net sounder system for target detection. Its design is based on more than 25 years of experience in working with Commercial Fishermen and in responding to their needs.

Notus has worked closely with its customers to offer solutions that provide reliable, real-time data and convenience of use. The Notus Mantis is the most advanced net sounder on the market. It gives unprecedented target detection, ease of use and real time gain control. The Notus Mantis provides optimal performance, for superior results.



MANTIS

The Mantis is the most advanced net sounder on the market. It gives unprecedented target detection, ease of use and real time gain control. It transmits sounder data from the trawl to the vessel wirelessly.



Target Detection

- A 175 kHz down sounder provides excellent detection and resolution
- With an update rate of 1 second, it permits real time monitoring, boasting the fastest update rate on the market
- Due to proximity to fish, this sensor detects targets not seen on shipboard echosounders

Ease of Use

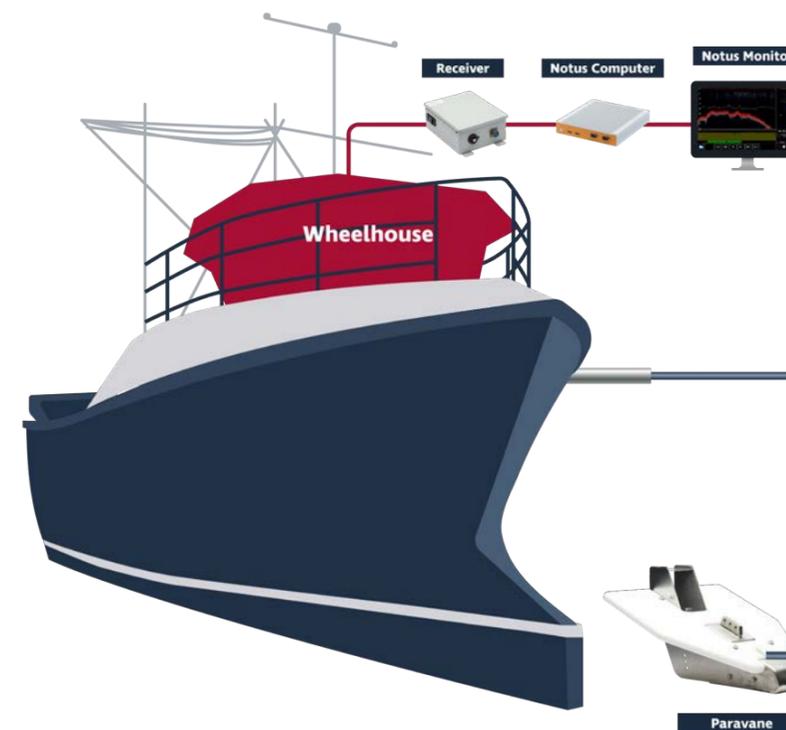
- An EXTERNAL, removable battery ensures the user always has a full charge by keeping a spare battery on charge all the time
- The user can change the battery while the sensor is still on the trawl



Ship Based Controls allow the user to:

- Adjust gain during active trawling
- Adjust db level in real time
- Select dynamic TVGs of 5, 10, 20 log

SYSTEM SET UP & COMPONENTS



Receiver

Capabilities: FM Digital Reception
Frequency: 33 kHz
Serial Output to PC
Power: 120/240 VAC



Charger

Power: 120/240 VAC
Charge Time: 90 minutes



Trawl Hydrophone

Beam Pattern: 70° Vertical,
60° Horizontal
Output: 192 db Tx
Range: 2500+ m



Sensors (General specifications)

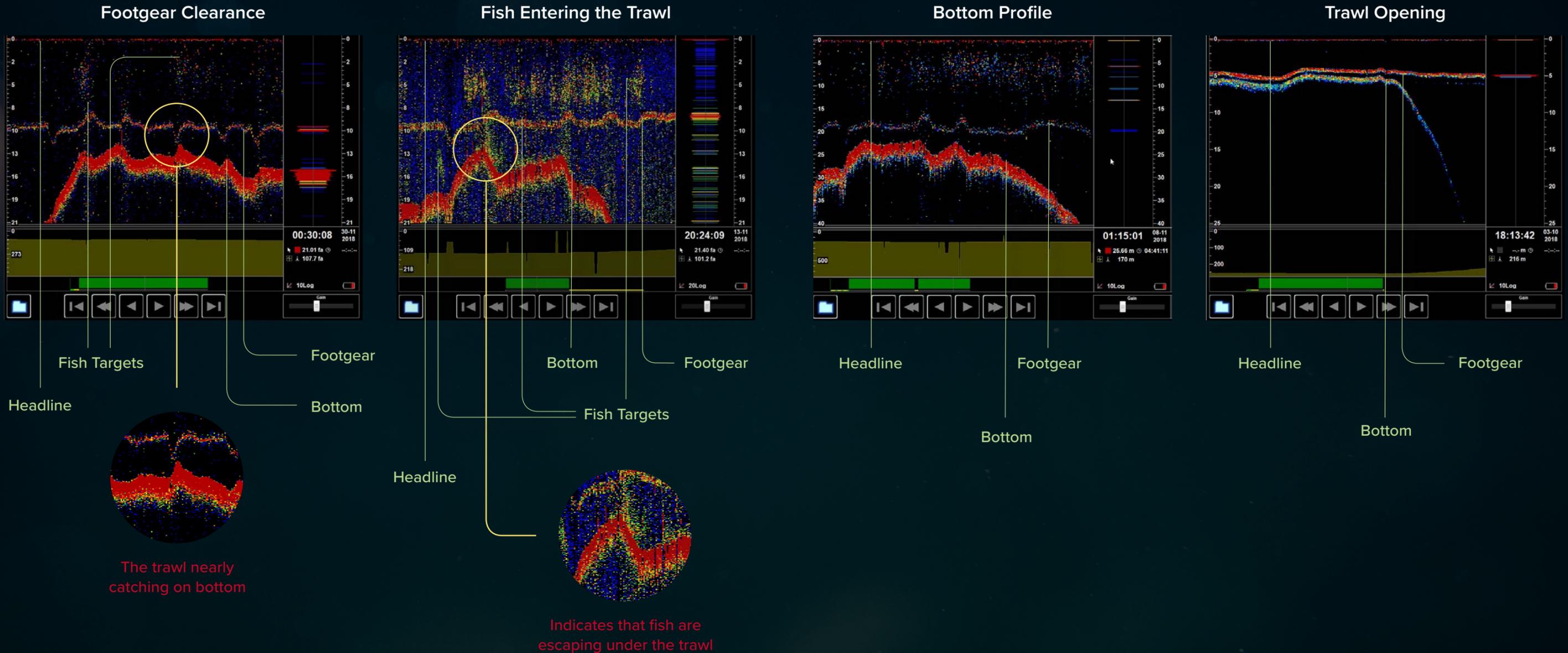
Maximum Depth: Up to 1000 m
Telemetry Range: 2500 m
Sounder Weight: 16 kg
Sounder Range: Up to 100 m

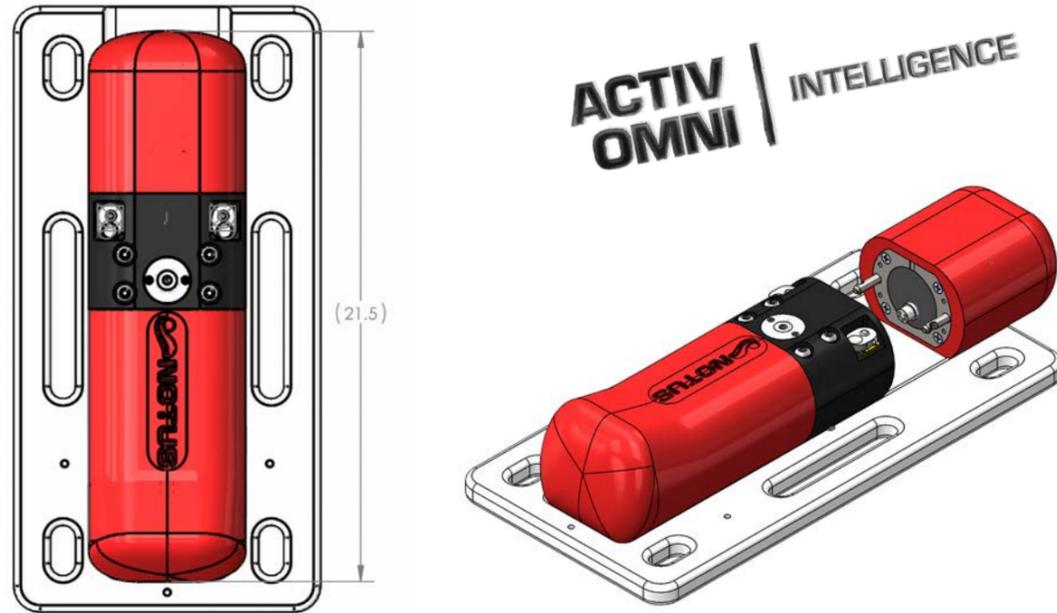
640 Lines of Resolution versus industry standard of 100 Lines

A system consists of shipboard equipment including a hydrophone and the Mantis Receiver that communicate wirelessly to the Mantis sensor located on the trawl. A dynamic graphic of the target is presented, that provides images to display fish entering the trawl.

The Notus Mantis system provides images of:

- Footgear clearance
- Fish entering the trawl
- Bottom profile
- Trawl opening





Technical Specifications

Maximum Depth	1000 m
Uplink Frequency	33 kHz
Telemetry Range	2500+ m
Battery	50 watts hrs/14 v
Battery Life	10 hours @ 1 sec
Uplink Beam/Down Sounder Beam	50°/40°
Sounder Weight	16 kg
Sounder Range	Up to 100m
Sounder Frequency	175 kHz
Removable Battery	Yes



NOTUS

For videos, photos, brochures, trawl tools and more,
please go to www.notus.ca

- Videos
- Photos
- Brochures
- Trawl Tools



www.notus.ca

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