Greensea IQ
Intelligent Ocean Solutions

IQNS Mini

EDGE PROCESSING

SOFTWARE
INTEGRATED SYSTEMS
NAVIGATION & AUTONOMY

greensealQ.com

Real World Navigation Accuracy

Based on the OPENSEA software platform, IQNS is designed to be the complete GNCC platform of underwater robots and has processing power for onboard AI/ML processes such as ATR, Obstacle Avoidance, and Target Tracking. The IQNS is designed specifically for small vehicle applications.

IQNS Mini
Edge Processing

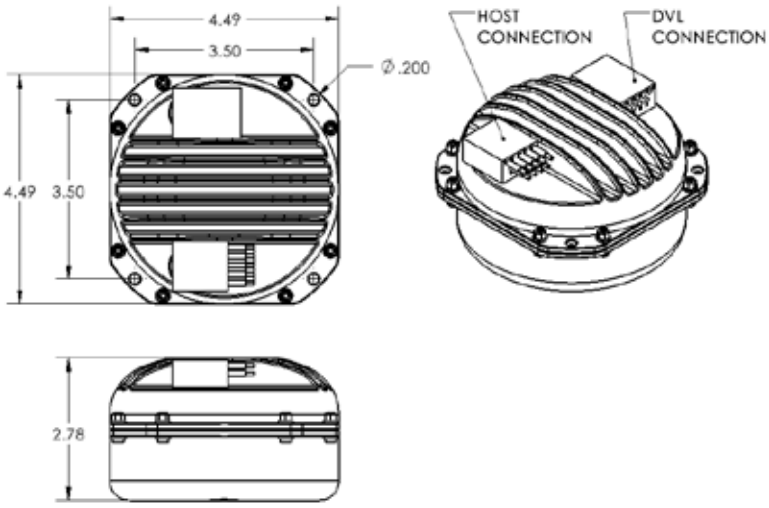
- Builds on a legacy of intelligent Inertial Navigation and Edge Processing systems designed specifically for Greensea IQ's underwater vehicle robot navigation and autonomy software.
- Can easily be "daisy chained" to increase processing power for additional payloads on the same navigation, control, and autonomy bus.
- Based on OPENSEA and completely compatible with all existing EOD Workspace systems.

Specifications subject to change without notice.

Technical Data

WEIGHT	955g (Air) 280g (Water)
DEPTH RATING	1000m
PROCESSOR	NVIDIA Orin NX, 16GB • 100 TOPS • 1024-core NVIDIA Ampere architecture CPU with 32 Tensor Corec @ 918MHz • DL Accelerator: 2x NVDLA v2 • Vision Accelerator: 1x PVA v2
STORAGE	Solid State Drive, 1TB
HOST CONNECTION PORT	• 24V DC 1A Max (Excluding DVL) • Ethernet (100 Mbit/s) • MCLPIL9M on 20'' Cable
EXPANSION PORT	• 24V DC (Pass-though) • Ethernet (100 Mbi) • MCLPIL9M on 20'' Cable

DIMENSIONS



OPTIONAL ACCESSORIES

- ROV Mounting Kit (DVL Stack)
- ROV Mounting Kit (Side Mount)
- Update Cable