

HUNTER II

CATHX
OCEAN

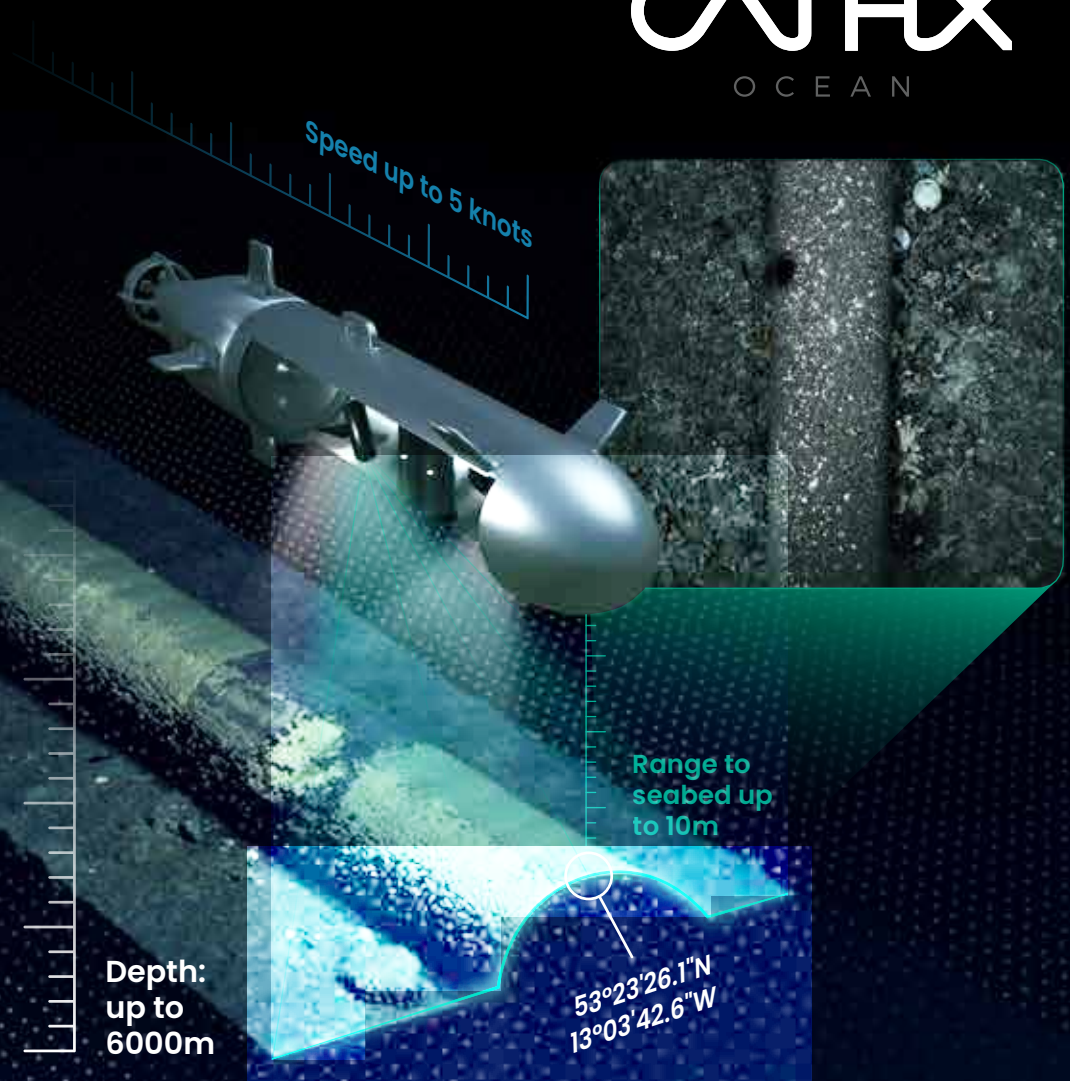
DUAL SENSOR IMAGING & LASER SYSTEM FOR AUVS

MISSION CAPABILITIES

- Ground truth imagery (5K, 4K/UHD, HD)
- 3D real-time interleaved laser
- Georeferenced data products including 3D colour point clouds
- High-powered strobing for large area coverage
- Unique offshore calibration methodology

APPLICATIONS

- Critical infrastructure surveillance (linear assets)
- Pipeline tracking & survey
- Pre-construction survey
- Environmental survey



Industry standard data formats
& consistent workflows

EIVA

Qinsy

STARFIX

QGIS

esri

HUNTER II

HUNTER II is a dual-mode imaging & laser solution For depths of up to 6000 meters and speeds of 5 knots

For large area visual survey on AUVs

POWERFUL IMAGING SENSOR

12.5 megapixel sensor with sub-mm resolving power "Ground Sampling Distance" & high colour sensitivity

Configurable standard resolutions and frame rates from full sensor, 4K UHD and HD

Geo reference inputs

Range inputs provide scale

LASER SENSOR

Real time noise filtering delivers a clean signal for real time detection capabilities

Millimeter level 3D data outputs

SYNCHRONIZED STROBES

300,000+ lumens provides large area lighting

Pulsed lighting dramatically reduces motion blur, turbidity and allows large area image collection

Up to 10 m range and image width



CLARITY SOFTWARE

For data processing & geo-data deliverables

3D colour point cloud using navigation data

Clarity engine and module options for application specific processing and target detection

OFFSHORE CALIBRATION

Patented dual mode laser & photogrammetry techniques allow system calibration offshore through a patch test

