



INTERMOOR

IM-3000 3D

The future of underwater inspection

The IM-3000 3D is an underwater system specifically designed for photogrammetric measurements. Its mechanical design, hardware and calibration procedures are optimised to guarantee high accuracy considering the refractive effects of water, thermal and pressure influences.

The IM-3000 3D

- Provides accurate and detailed sub-millimetric analysis of offshore assets.
- Accurately scans anomalies to allow correct diagnosis and prevention of structural damage and mooring line failure. Post-scanning interpretation can be done on site.
- Allows faster, more accurate and cost-effective inspection than conventional calliper tools through contactless scanning

Key features:

- Pre-calibrated
- Compact and lightweight modular solution
- Not navigation dependent (USBL, INS, DVL, LBL)
- Fully contactless and free flying for a rapid inspection
- Real time processing and QC
- Specific and adapted survey procedure and calibration based on return of experience
- Easy and quick integration on multiple platforms and ROVs
- Reduced acquisition time thanks to high frame rate and overlap
- Quick results turnover (onboard vessel)
- 3D renders created in real time from a sparse point cloud
- Reliable and robust system
- Performs in harsh and turbid environment
- Accurate, repeatable and certified results
- Class approved



INTERMOOR

is the lead brand for Acteon Moorings and Anchors segment

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Specifications

Depth Rating

Details

3000m

Acquisition unit

Length

639 mm

Width

567 mm

Height

414 mm

Weight in air

50 kg

Weight in water

0.5 kg

1 trifocal sensor
4 led strobe lights
Built in tilt
Range altimeter

ROV Internal Support system

Weight in air

43 kg

Weight in water

10 kg

Port

1GB ROV ethernet

Video System Live Feed

3 camera lenses

10fps from high resolution stills

Relative position to the object

Real time coverage indication

Real time QC on data with color coding

System post processing capabilities

High resolution video (zooming capabilities)

High density point cloud and texturized meshes

Data integration in geo-referenced data base associated with structure integrity management software

Dimensional control and 3D rendering of all assets visually inspected



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