

IVM Series Hydro 3000



Whether your work involves mooring chain inspection, spool metrology, asset damage assessment or general subsea structures 3D reconstruction, the HYDRO 3000 combines the latest photogrammetric developments with an unmatched ease of use to deliver high accuracy 3D models with no scale bar on the subject.

With the objective of bringing subsea photogrammetry in reach of everyone, we put a lot of efforts in engineering a cost effective and easy to use solution while taking no shortcut. All units from the IVM Series, such as the HYDRO 3000, can be operated by any competent subsea surveyor. No longer do you have to hire an “expert” to attain high accuracy models. Delivered with a preconfigured processing unit, you can choose to handle internally a complete survey from data acquisition up to the 3D model analysis.

The system is compact, and fits all Work Class as well as light work class ROVs. With integrated LED lighting, the scene is perfectly illuminated to maximise results.

Key Features

- Full solution - acquisition to 3D model
- Submillimetric accuracy
- Real time 3D reconstruction
- Precalibrated
- High turbidity compatible
- Damage assessment
- Chain measurement inspection
- Asset overview
- Decommissioning planning
- Spool metrology
- Seabed inspection
- UXO identification surveys

Specifications

L x W x h mm	400 x 350 x 300
ACU/EPU	350 x 190 x 190
Weight air kg	15
ACU/EPU	15
Weight water kg	5 / 4
Material	Titanium
Power	48VDC 150W
Data	1Gb/s Ethernet
Max depth (m)	3000
ROV	Work and light Work class
Resolution	24M pixel
Field of view (V / H)	63° / 79°
Lighting (Lumen)	75 000
Embedded storage	2Tb

