

IVM Series Hydro 300



Whether your work involves mooring chain inspection, spool metrology, asset damage assessment or general subsea structures 3D reconstruction, the HYDRO 300 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 effort into engineering a cost effective and easy to use solution while taking no shortcut. All units from the IVM Series, such as the HYDRO 300, 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, light-weight and fits all ROVs, from Observation to Work Class. A diver kit is also available. With integrated LED lighting, the scene is perfectly illuminated to maximise results. Due to its size, the HYDRO 300 can be hand carried for rapid response jobs.

Key Features

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

Specifications

L x W x h mm	226 x 338 x 288
Weight air kg	11.2
Weight water kg	2.2
Material	Aluminium
Power	48VDC 150W
Data	1Gb/s Ethernet
Max depth (m)	300
ROV	All class
Diver compatible	Yes
Resolution	2x 12M pixel
Field of view (V / H)	63° / 79°
Lighting (Lumen)	75 000
Embedded storage	2Tb

