



Applications

- Offshore shallow water structures
- Mooring chain inspections
- Coastal civil assets
- Hull inspections
- Lakes and dams infrastructures

HYDRO 300 3D underwater inspection solution

The HYDRO 300 is a light, compact and cost effective solution for shallow water 3D reconstruction inspections.

It combines the latest photogrammetric developments with an unmatched ease of use to deliver high accuracy 3D models with no scale bar on the subject.

Precalibrated like all IVM Series, it works independently from any navigation aid. The Integrated lighting allows you to deploy it in any environment, even in high turbidity waters.

This multi-sector inspection tool can be deployed by the ROV Tortuga and by the ROV Mini TORTUGA in a version specially developed for the integration of the HYDRO 300.

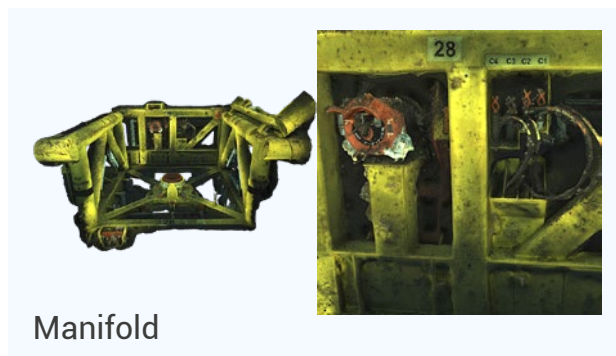
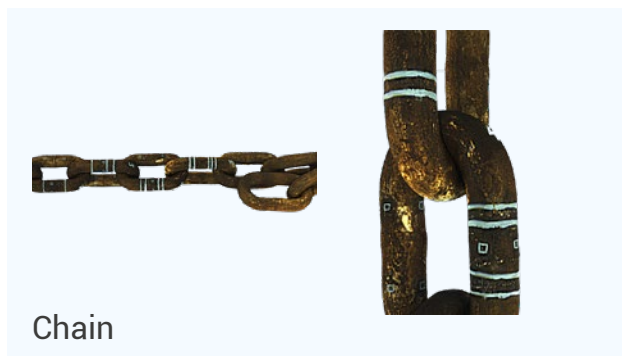
Mini TORTUGA HYDRO



HYDRO 300 mounted on Tortuga^{STD}



PHOTOGRAMMETRIC IMAGES



TECHNICAL SPECIFICATIONS

MECHANICAL

L x W x h	226 x 338 x 288 mm
Weight in air	11.2 kg
Weight in water	2.2 kg
Housing Material	Aluminium

INTERFACES

Power	19VDC to 75VDC (300W) 110VAC optional
Data	1 Gb/s

LIGHTING

Type	4 strobe lights
Flux	75 000 lumen

ENVIRONMENT


Max depth	300m (tested)
Temperature	0 to 40°C
ROV compatibility	Tortuga STD, Tortuga XP4, Mini TORTUGA

SENSORS AND PROCESSOR

Size	1"
Resolution	24M px
Field of view (V/ H)	63.8° / 79.2°
Processor	32 Gb
Embedded data storage	2 Tb

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