

# HYDRO 300

VERSATILE STEREO PHOTOGRAMMETRY  
CAMERA FOR SUBSEA INSPECTIONS





#### APPLICATIONS FOR HYDRO 300

- High-turbidity dam inspection
- Shallow water spool metrology
- Riser base inspection
- Mooring line dimensional control

The Hydro 300 is a robust photogrammetry unit designed for shallow water and with a maximum depth rating of 300 msw, this unit gives you access to a larger range of subsea assets. Its cameras capture high-resolution still images enabling the generation of 3D models with millimetric precision. Equipped with integrated 80 000-lumens flashes, the Hydro 300 performs perfectly in low-visibility conditions. Engineered for versatility, this unit is compatible with Observation and Work Class ROVs, making it a powerful ally for your subsea inspections.



3D model - Hawker Siddeley HS-748 wreck inspected with Hydro 300



# SPECIFICATIONS

## Mechanical & Environment

|                               |                           |
|-------------------------------|---------------------------|
| Dimensions (with cables)      | 288 x 338 x 324 mm        |
| Operating depth               | 300 msw                   |
| Operating ambient temperature | 0 to 30°                  |
| Weight (air / water)          | 11.2 / 2.2 kg             |
| Material                      | Hard Anodized Aluminium   |
| Connectors                    | BlueTrail Cobalt          |
| ROV Integration               | Observation to Work Class |

## Electrical

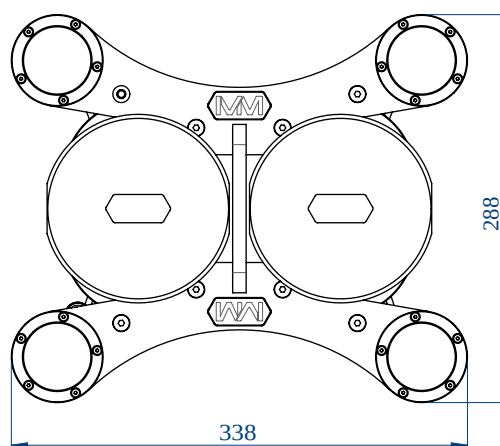
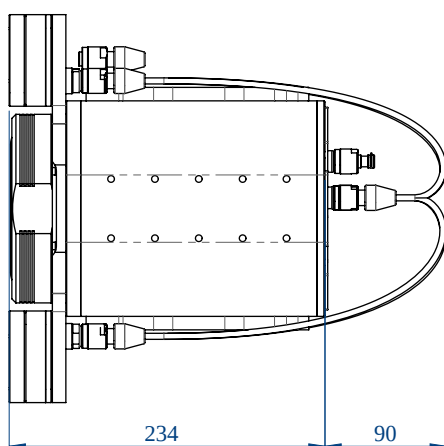
|                     |                               |
|---------------------|-------------------------------|
| Voltage requirement | 48 VDC                        |
| Power requirement   | 150 W                         |
| Data output         | 1 Gbps Ethernet   10/100 Mbps |
| Data storage        | 2 Tb                          |

## Vision

|                       |                                          |
|-----------------------|------------------------------------------|
| Field of view (V / H) | 63° / 79°                                |
| Resolution            | 2 x 12 Mpx                               |
| Frame rate            | Visualization: 20 FPS   Recording: 4 FPS |
| Lighting              | 80 000 lumens                            |

## IVM Equipment compatibility

|                 |                             |
|-----------------|-----------------------------|
| Add-on products | Skid, power converter, tilt |
| IVM SLAM        | Yes                         |





At IVM Technologies we develop, design and build 3D reconstruction solutions using high accuracy underwater photogrammetry technology. Our offering goes beyond cameras, we provide components needed to assemble a customized kit tailored to your operations and equipment. To better serve our clients, we have also developed a comprehensive service offering around our products, helping them save time, reduce costs, and gain unmatched insights into their subsea assets.



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