

Specification Sheet

SeaHawk™

proserv

- In-built configurable image processing and data storage
- Flexible communication topology with broadband DSL and Ethernet as primary interfaces
- Existing riser/subsea cables may be suitable for the use of Proserv advanced power-line communications
- SIIS level 3 compliant interface - Ethernet and VDC power input
- Continuous monitoring of the subsea infrastructure possible (24/7/365)
- Complete user local and remote location monitoring available
- Wide range of deployment, mounting, integration options available



Technical details - typical configuration

System		Camera		
Footprint	885 mm x 635 mm x 913 mm (basic configuration)	Electrical	Normal (PAL)	HD (option)
Weight	Approximate weight:120 kg dry / 100 kg submerged	Horizontal resolution	625	1080i / 720p
Power consumption	100 W maximum with full light / 30 Wt standby.	Light sensitivity (limiting)	0.02 lux faceplate	0.1 lux faceplate
Design standard	ISO 13628-6	Scene illumination	0.2 lux	1 lux
Design depth	Standard aluminium housing: 1,000 m (3,281 ft) Optional titanium housing: 3,000 m (9,843 ft)	Sensor type	1/4" super HAD	1/3" CMOS sensor
Temperature	Operating: 0°C to +20°C in water/ storage: -18°C to +50°C	Signal to noise ratio	>48dB weighted (AGC off)	>54dB
Light	8 LED lights with up to 800 lumens each	Optical (standard)	4.2 mm to 42mm, F1.8 to F2.9	5.1mm to 51mm, F1.8
Subsea controller	Video capture and streaming control, LED control, pan and tilt operation	Optical		
Communication interface	DSL (<16 mbps) and Ethernet (<100 mbps) or with use of Open Communication Hub Powerline (<1,3 Mbps) and/or Fibre (Ethernet from OCH to A2G)	Zoom	10 x optical	
		Angle of view	4° to 44° diagonal in water	
Local storage	16 GB SSD	Pan/tilt	170° (±85°) (with internal lights approx. 90° ±45°)	
Communication	Automatically switch between DSL, Ethernet or power line	Digital file format		
Power supply	100-260 VAC / 17-36 VDC or both	Data format	Mpeg4	
Subsea connection interface	Customisable ROV connector (Default: 12-pin Tronic DigiTron, option ODI) Optional interfaces on request (SIIS level 3 for extra instrumentation)	Data rate	45 kbit/s to 8 Mbit/s	
		Streaming	Via RTSP/UDP, unicast and multicast	