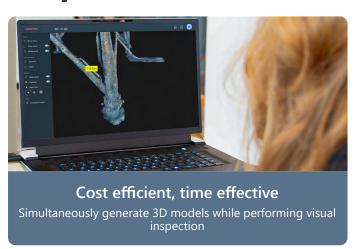




Imaging, Mapping & Positioning Contactless Real-Time Measurements Generate Digital Twin 3D Models SubSLAM® is a stereo vision system packed full of the latest technologies to provide unparalleled data collection performance.

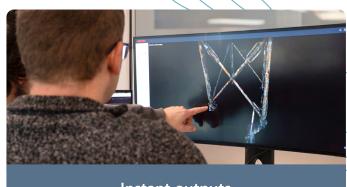
Unmatched 4K imagery and video. Ultra-high resolution live 3D reconstructions and enabled for photogrammetry post-processing. Embedded Al capability masks out unwanted objects and improves reconstruction performance.

Why SubSLAM®?









Instant outputs Real-time access to live data without post-processing with ship to shore live streaming

Benefits of SubSLAM®



Higher quality outputs:

Interrogatable 3D models over stills and videos



Faster actionable insights:

Accelerate decision making to minimise cost of delay



Lower costs:

Reduce cost of data collection, post processing and data management

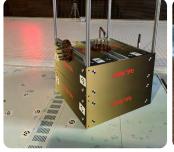


Enhance sustainability and safety:

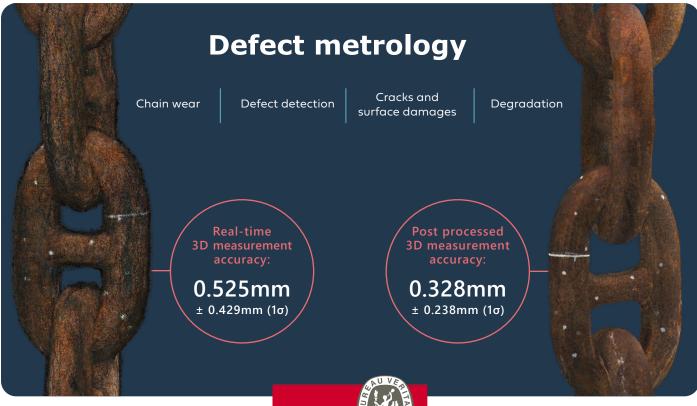
Reduce vessel days and personnel offshore

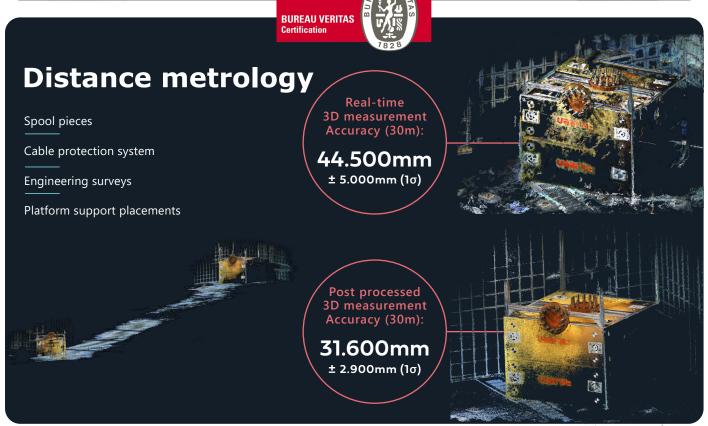
Proven performance

The following measurements were as witnessed by Bureau Veritas. The Chain Metrology results were measured against UKCS calibrated vernier callipers and photogrammetry scale bars. The Spool Metrology results were measured against a control network of Total Stations and photogrammetry scale bars.









SubSLAM® specifications

Mechanical & Environmental

SubSLAM X2	Shallow	Deep	Deeper
Operating Depth	300 msw	2000 msw	6000 msw
Length	349 mm	360 mm	364 mm
Width	264 mm	275 mm	275 mm
Height	142 mm	142 mm	142 mm
Weight in Air	8.55 kg	12.7 kg	15.45 kg
Weight in Water	0.7 kg	3.5 kg	6.25 kg

Operating Temperature	0 - 35°C (in water)
Top Station Format	4U, 550mm deep rackmount PC

Electrical

Camera System Power Input	24-75 VDC, 80W	
Camera System Comms	Single twisted data pair, 100 Mbs Ethernet or 1G Ethernet	
Top Station Power	Up to 850W	
Top Station Comms	10G RJ45, 2.5G RJ45, USB, HDMI, DisplayPort	

Image Processing

Sensors	Calibrated pair of 1" sensors, low light sensitive	
Sensor Resolution	2 x 4096 x 2160 = 16MP	
Frame Rate	Up to 60Hz	
Field of View in water	73° Diagonal - 57° Horizontal	
Top Station Storage	8TB SSD	
Output Resolution	Up to 4k (Ethernet only)	
Exported Output Format	Video (MPEG-TS h265), Image (.PNG) and 3D Visualisation (.PLY)	



Deep



Deeper





SubSLAM® equipment



SubSLAM® X2 pelicase



Deck test cable



SubSLAM® X2



0.7m intercan cable



SubSLAM® X2 power supply



TopStation pelicase



Pressure cap



Dust cap female



TopStation



Dust cap male



Mouse and keyboard



16 pin tether cable



UK IEC cables



Calibration board



EU IEC cable



Born for renewables