

SUBSLAM X2

Technical specification and equipment



sales@beam.global









IMAGING, MAPPING & POSITIONING CONTACTLESS REAL-TIME MEASUREMENTS GENERATE DIGITAL TWIN 3D MODELS

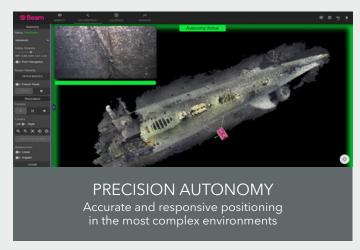
SubSLAM® is a stereo vision system packed full of the latest technologies to provide unparalleled data collection performance.



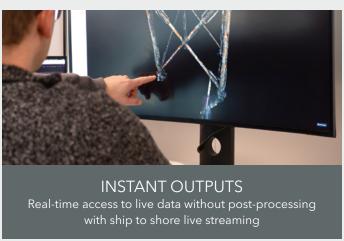
Unmatched 4K imagery and video. Ultra-high resolution live 3D reconstructions and enabled for photogrammetry post-processing. Embedded AI capability masks out unwanted objects and improves reconstruction performance.

Why SubSLAM®?









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.

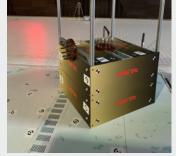


Enhance sustainability and safety:

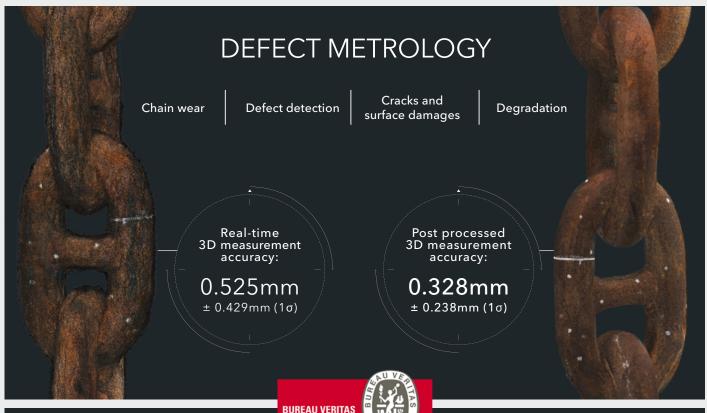
Reduce vessel days and personnel offshore.

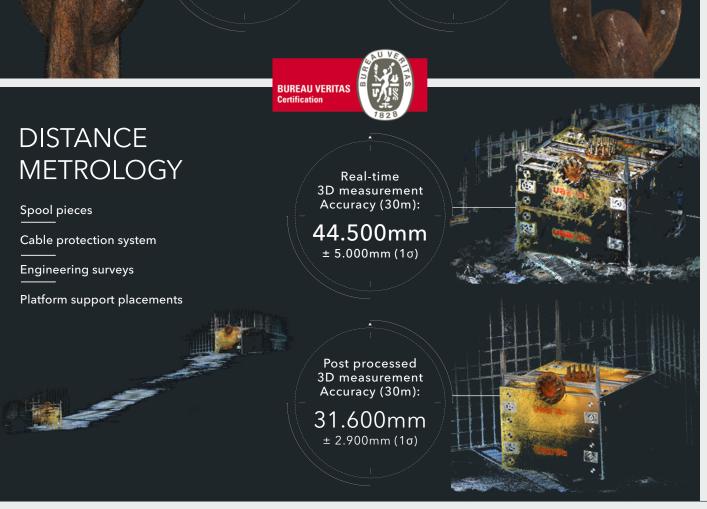
Proven performance

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)			

Electrical

24-75 VDC, 80W
Single twisted data pair, 100 Mbs Ethernet or 1G Ethernet
Up to 850W
264 mm

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)

SHALLOW



DEEP



DEEPER





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井	井	1		ᆜᆫ
4	井	4	井	井上



SubSLAM® equipment



SubSLAM® X2 pelicase



Deck test cable



SubSLAM® X2



0.7m intercan cable



SubSLAM® X2 power supply



TopStation pelicase



Pressure cap



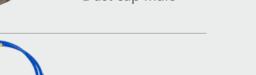
Dust cap female



TopStation



Dust cap male





Mouse and keyboard



16 pin tether cable



Calibration board



UK IEC cables



EU IEC cable





