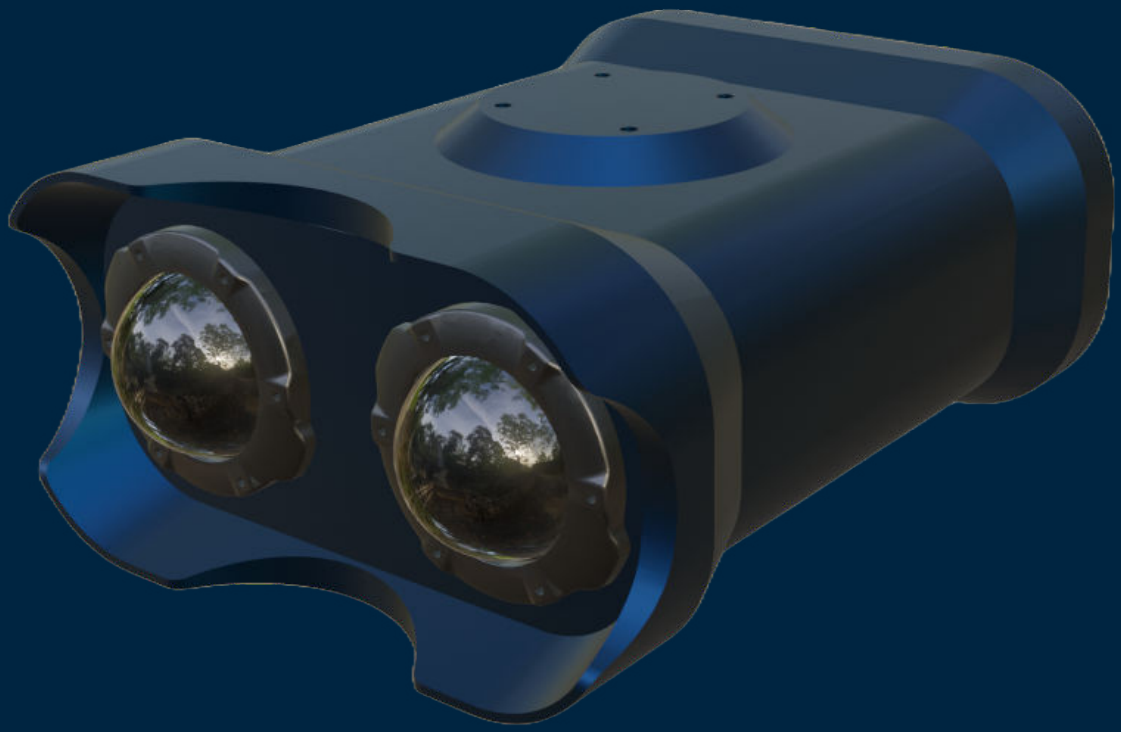
UVISION

- VISUALISING THE SUBSEA

DATASHEET

UScanner - ROV mounted



UScanner is an end-to-end solution that produces photorealistic and measurable 3D models of underwater assets.

The small size and light weight makes it an obvious choice for a wide range of inspection and documentation tasks.

It is small enough to mount on any ROV, on a telescopic pole or be handheld by a diver.

The scanner is linked to our cloud solution which performs post-processing and visualisation. Furthermore it allows the user to download finalised 3D models for use in any other environment.

The solution is crafted with high focus on the operators user experience. A real-time 3D point cloud helps ensure scan quality, and automated processing of scanned data maximises ease of use.

Underwater Inspections. Redefined.

www.uvision.dk

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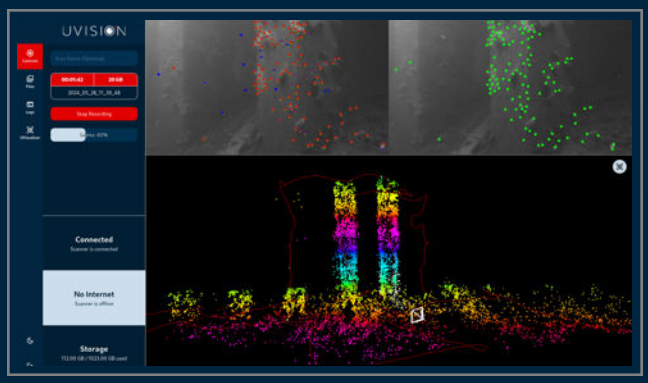


Cameras
Stereo global shutter colour camera
2.3MP pixels, HFOV: 90°
(<1mm resolution at 1m distance)
50mm Dome ports

Storage
1TB SSD Disk

On board sensors
IMU, depth sensor

Housing
WxHxD: 161x86x199mm
Weight: 2400/400g above/below water
Depth rating 200m
Corrosion resistant hard anodised aluminium 6082

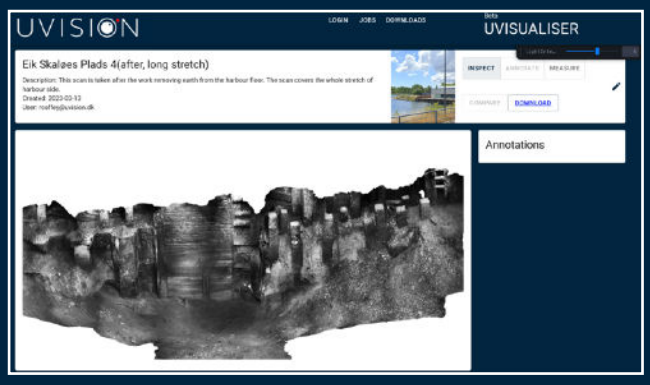
Connection
SubConn Micro Circular 8 pole male connector for power and communication
SubConn 3 pin for lights

Power consumption
10-48V, <20W

Network bandwidth
The occupied bandwidth between UScanner and UController is < 20Mbps over tether (usually < 10Mbps)

Positioning input
GNSS position can be read into the system - compatible with NMEA format

Management Software
UController software for mangement of the scanner is compatible with Windows, Linux and macOS



Cloud and Web portal
Post-processing of scan data is performed in the cloud. The 3D model is delivered through our UVisualiser web portal, where it can visualised, measured and annotated.

3D model can be downloaded in various formats (eg .glb, .ply, .obj, .las)

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