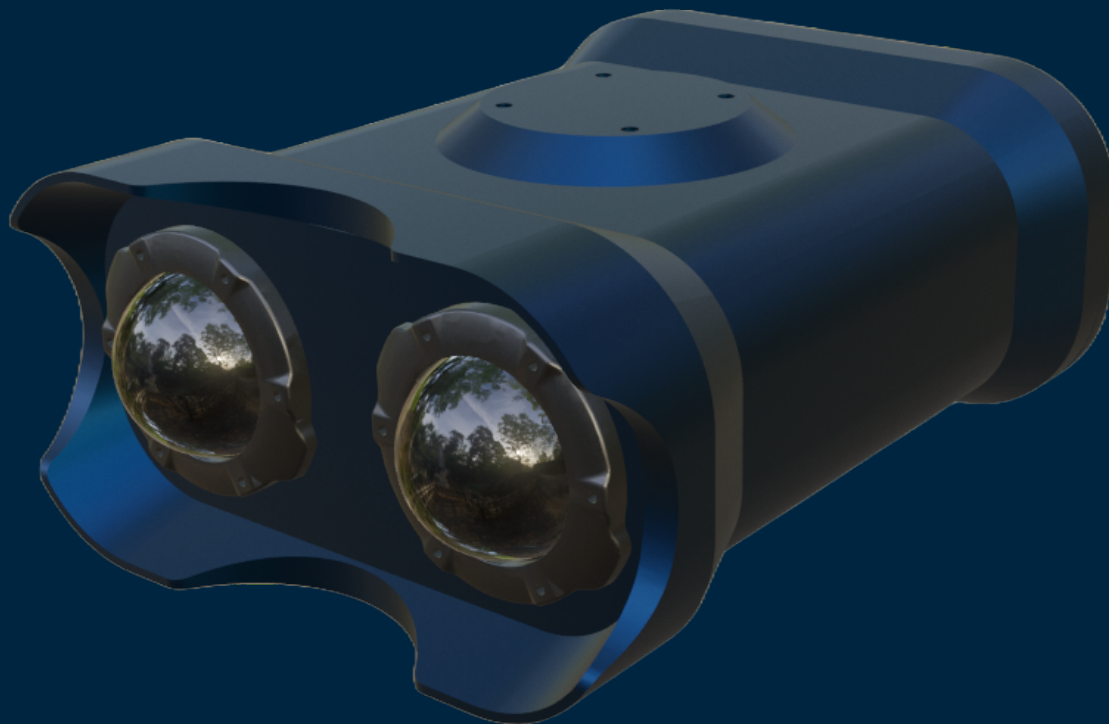


DATASHEET

UScanner - ROV mounted

UVISION

- VISUALISING THE SUBSEA



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

DATASHEET

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- VISUALISING THE SUBSEA

UScanner - ROV mounted



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

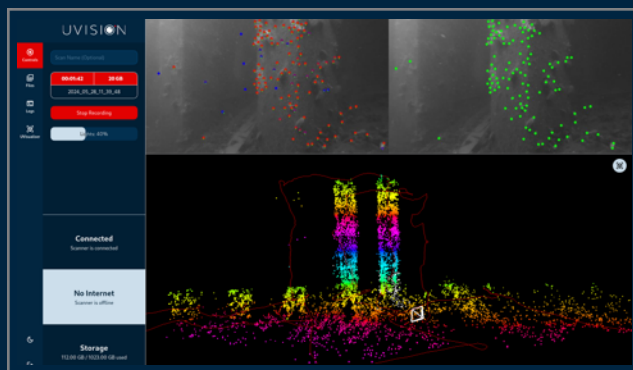
SubConn Micro Circular 8 pole male connector for power and communication
SubConn 3 pin for lights

Power consumption

10-48V, <20W

Network bandwidth

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

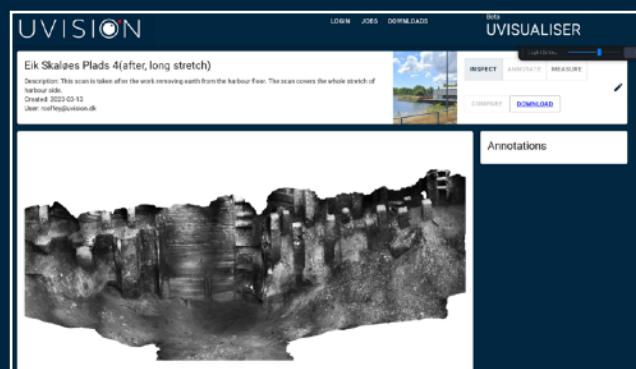


Positioning input

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

Management Software

UController software for management 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 be visualised, measured and annotated.

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

DATASHEET

UScanner - ROV mounted



- VISUALISING THE SUBSEA

