BSL Underwater Camera – Pressure Activated

General Specifications

- Small light-weight camera system
- Mountable to any seabed sampling equipment
- Pressure activated recording
- UHD (4k) video footage
- Up to 5 hours recording time
- 6000m depth rating

Services

Benthic Solutions Ltd has designed and developed a compact, pressure activated camera system for use in deep water. The system can be mounted to a wide variety of existing seabed sampling devices to ground truth the sediment in-situ, or to an ROV where a HD camera is not available. The camera begins recording when a pre-determined pressure is reached, and will record continuously until the unit is recovered to lower pressure. Depending on configuration, the system can be set up to record the seabed, or to focus on the sampling device itself.

The pressure activated camera is a self contained, battery powered system which is capable of up to 5 hours recording time between charges. Video footage is recorded in UHD, HD or SD. An additional LED unit (with optional laser scaler) outputs to 2000 lumens, lighting the seabed or sampling device evenly. The compactly designed housing is relatively lightweight and designed to reach depths of up to 6,000m. Due to the high quality and frame rate of video footage captured with this system, it is possible to take screen grabs from the footage as an alternative to a stand-alone stills imaging camera.

Benthic Solutions can supply a variety of mounting options to ensure that the system can be configured suitably on all common sampling devices. Please feel free to contact us to discuss bespoke mounting options for this system.



Specifics

Item	Value
Shipping weight	23KG
Shipping dimensions (L,W,H)	570 x 440 x 220mm
Camera (6000m)weight & dimensions	~9KG. ⌀ 120mm x 300mm
LED (6000m)weight & dimensions	~5KG. ⌀ 120mm x 150mm
Quality (video) recorded	Ultra HD (4k), HD (1080p), SD (720p)
Lighting	2000 lumen LED lamp
Scaling (optional)	Dual green dot lasers 50mm spacing
Battery life	5 Hours
Internal battery type	Rechargeable Li-Po 26v 5.2Ah

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