BSL Underwater Camera – Real Time HD

General Specifications

- Small light-weight camera system
- Mountable to any seabed sampling equipment
- HD 1080P 60fps
- Real time video down 400m umbilical
- 2000m depth rating

Services

Benthic Solutions Ltd has designed and developed a compact, livestream, HD camera system for use in water depths up to 2000m depth (for ROV use) or upto 400m umbilical length as a stand-alone system. The system can be mounted to a wide variety of existing seabed sampling devices to ground truth the sediment in-situ. The system can be configured for shallow water to provide real-time video using a dedicated umbilical, or mounted to an ROV to provide real-time video through a multiplexer.

Video footage is recorded in full HD 1080p at 60fps (720p at 120fps) and streamed to the surface in standard definition (480x720). An additional LED unit (with optional laser scaler) outputs to 2,000 lumens, lighting the seabed or sampling device evenly in all conditions. The compactly designed housing is relatively lightweight and designed to reach depths of up to 2,000m. 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	20KG
Shipping dimensions (L,W,H)	570 x 440 x 220mm
Camera weight & dimensions	~3KG. ⌀ 100mm x 300mm
LED (6000m)weight & dimensions	~5KG. ⌀ 120mm x 150mm
Quality (video) recorded	HD (1080p), SD (720p)
Lighting	2000 lumen LED lamp
Scaling (optional)	Dual green dot lasers 50mm spacing

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