BSL Underwater Camera - MOD4

General Specifications



- Flexible deployment scenarios
- Depth rated to 3000m
- Superior stills and streaming video quality
- Near zero-delay shutter release
- Unattended time lapse photography
- Solutions for very low visibility environments

4 Camera Configurations

1. Deepwater real time video
2. Shallow real time video
3. Remote timelapse
4. Ultra deepwater timelapse

4 Deployment Configurations

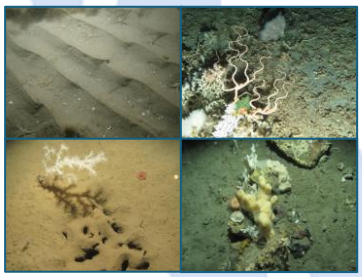
1. Towed frame
2. Drop down frame
3. Remote mooring timelapse
4. Fresh Water Lens (FWL)(for poor visibility)

Services

Benthic Solution Limited have an array of underwater cameras for various deployment scenarios. Our latest development (MOD4) is the most flexible camera to date.

For water depths of less than 400m it is capable of communicating with the surface via a multicore umbilical cable, which provides a very high quality live view of the seabed. Zero-delay still images of 24MP can be captured and transmitted to the surface for instant review.

For deeper waters the camera can be controlled via an armoured coax cable, of the type commonly used for Side Scan Sonar (SSS) operations from a suitable winch. A theoretical maximum cable length of 12KM can be used. In this setup, the live feed video quality is slightly reduced, to compensate, a second camera running at either UHD or HD, records footage at the subsea, reducing the bandwidth usage.



High output low energy lighting has been developed using the latest LED technology. Two 2000 lumen lamps provide flood lighting ahead of the camera for video streaming, whilst the multi-head capable strobe system (up to three heads) can be utilised in TTL configuration to give perfectly exposed underwater stills.

Benthic Solutions also provides an assortment of subsea camera frames suitable for towing or ‘drop down’ use, in a variety of sizes depending on the task, with or with out a freshwater lens for turbid waters.

Specifics

Item	Value
Shipping weight	51KG
Shipping dimensions (L,W,H)	560 x 460 x 780mm
Quality (video) Recorded	Ultra HD (4k) 30fps, HD (1080p)60fps
Quality (video) Live Stream with overlay	SD (720p) 24fps
Resolution (Stills)	24MP
Lighting	Dual 2000 lumen LED lamps and a strobe
Scaling	Dual green dot lasers
Umbilical cable	50Ω, < 4000m armoured coax
ROV/Mux integration	DSL or ethernet connection

Benthic Solutions Limited, Unit A Greengates Way, Hoveton, Norwich, NR12 8ED, UK

☎ +44 (0) 1603 784726 ✉ enquires@benthicsolutions.com 🌐 www.benthicsolutions.com