

## “PEGASUS” Research Lander Systems

*Pegasus* is Australian Oceanographics’ new deep sea remote camera system. Developed in collaboration with The University of Queensland and Blue Turtle Engineering, *Pegasus* is currently undergoing field tests and initial deployments before being made available for scientific research. This innovative new system is similar to the already proven concept of the “Medusa” lander, but will provide a lighter weight, smaller size and lower cost alternative for marine exploration and research.

### SPECIFICATIONS:

Height:	2.20 m (7’2”) (Spar at avg. height)
Width:	1.00 m (3’3”)
Length:	1.75 m (5’9”)
Unit Weight:	28 kg (61 lb)
Drop-Weight:	9 kg (20 lb)
Total Weight incl. Bait:	39 kg (85 lb)

### SYSTEM CAPABILITIES

- Main Camera Housing includes internal battery packs and electronics; 2000 m depth rating.
- Ultra-low-light sensitive video camera with auto-iris lens and digital video recorder.
- Far-red (690nm) LED illuminator for unobtrusive lighting, multiple illuminators can be added.
- Wireless deployment/mission configuration on deck via PC, iPad, iPhone or Android device.
- Integrated logging of Depth, Temperature and Heading via sensors in camera housing.
- Mechanised pre-programmed timed release of sacrificial drop-weight (approx. 9 kg).
- Combined satellite & strobe Locator Beacon for recovery upon surfacing.
- Bait Bar for bait attachment within camera frame (folds for packing and shipping).
- Collapsible lightweight frame constructed of PVC & Aluminium.
- Depth rating of 1000 m (3300’); optional upgrade to 2000 m (6500’).
- Deployment times of days to months using configurable scheduled or triggered recording.
- Total recording time of up to 24 hours

