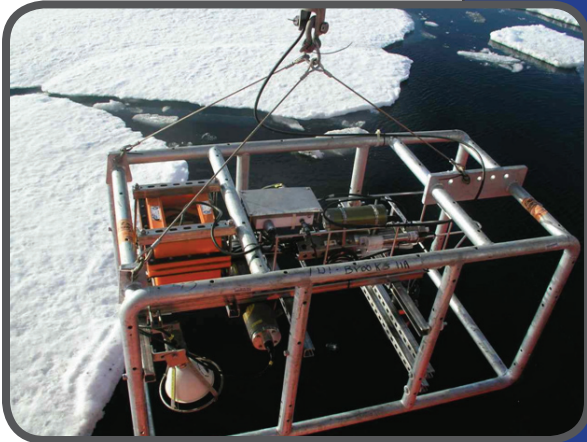


TDI-Brooks International, Inc.

Scientific Services on a Global Basis

High Resolution Drift Camera



TDI-Brooks International has constructed a drift camera capable of operating to 4,000 m. The instrument combines a 14.7 mega-pixel Pentax digital camera with strobe illumination that can maintain a 2-5 m height above the bottom based on feedback from a SeaBird altimeter. The digital camera and strobe collect images with a repeat rate of 15 seconds and can be triggered automatically with an intervalometer.

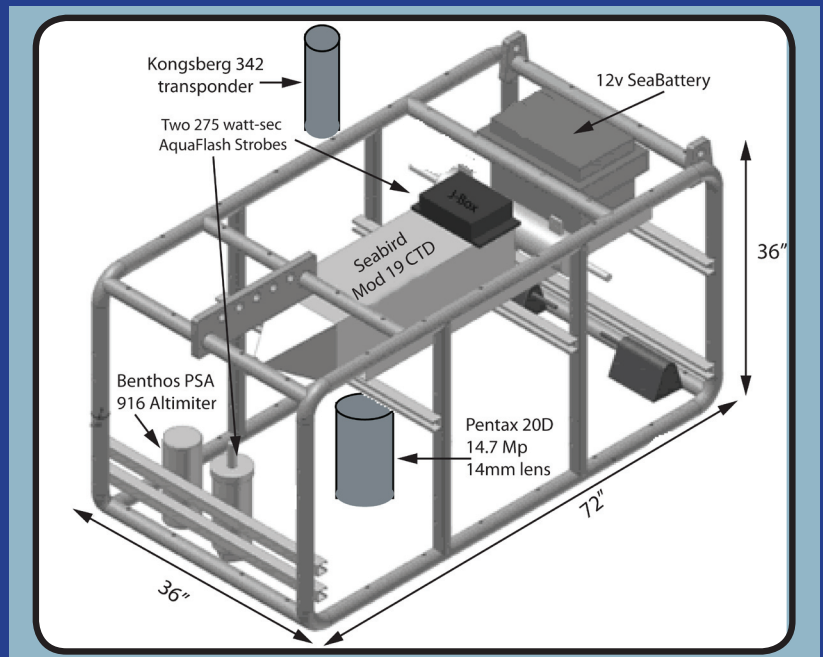
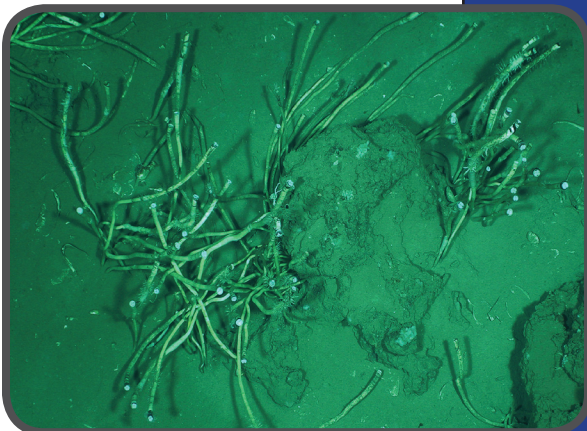
The drift camera can be used in a transect mode whereby the ship drifts or motors very slowly (< 1 knot) along a linear course, while the camera collects images. A transect mode survey can determine what seafloor features are present in larger areas of seafloor where there are targets of interest.

Using our Ultra Short Baseline system, specific features can be targeted. The transponder on the camera platform provides real-time position data in three dimensions. Thousands of deployments of seabed sampling systems have provided TDI-Brooks the experience to navigate and maintain the camera within a few meters of a specified seabed target in 2,000 m of water.



Drift Camera Specifications

- Camera - Pentax 20D 14.7 Mp with 14mm lens
- Transponder - Kongsberg 342
- Altimeter - Benthos PSA 916
- Power/Data - Seabird PDIM 36
- Strobes - two 275 watt-sec AquaFlash
- Depth rating - 4,000 m
- Battery - 12v SeaBattery
- CTD - Seabird 19



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