SRIs AUV has been developed to perform high precision wide area bottom surveys, ship hull scans,
and water column measurements. Payloads can be custom made to accommodate a wide variety of
marine sensors. This system has proven to be a reliable vehicle for detailed micro bathymetric sur-
veys as well as ship hull scans utilizing some of the most advanced sensors available today. Its rela-
tively small size and low weight make it easily transported and deployable from small low-cost work-
boat style vessels.

Configurable for Specific Surveys
- **Mapping** - Survey quality inertial navigation, high resolution 3D and imaging sonars
- **Port Security** - Custom designed to survey ship hulls while at sea and perform mine counter-
measures
- **Science** - Habitat characterization, chemical sensing, fisheries surveys.

**Specifications**
- **Depth Rating:** 600 meters
- **Payload:** Up to 36” long, free flooding
- **Power:** Up to 8 Hrs runtime
  100W of power for sensors
- **Speed:** 3 kts cruise (1.5 m/s)
  5kts Max (2.5 m/s)
- **Navigation:** INS—Kearfott T24
  USBL and DVL aided
  GPS for initial fix
  Acoustic modem for updates
- **Weight:** Air—Up to 550lb with payload
  Saltwater—Neutral
- **Dimensions:** 12 3/4” diameter x 132” long

**Safety Systems**
- USBL geodetic tracking
- RF communications
- Drop weight
- Acoustic modem for mission monitoring
- RF beacon/strobe
- GPS

**Sensors / Tools**
- High resolution 3D acoustic and laser mapping
- High resolution 2D imaging
- Low light video
- Data collection and storage module
- Zooplankton imaging and identification
- In-situ quantitative Mass Spectrometry
- Elemental Analysis (Fe, Cu, O2, pH, more)
- Acoustic modem data link

**At Sea Operations**
SRI's AUV can be operated from a variety of platforms. A 2-person crew is required to
operate the AUV and are provided by SRI International, Inc.

**CONTACT US**
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