

# Hugin 3000 AUV



- **Survey Sensors**

- Simrad EM2000 Multibeam – Bathymetry and Imagery:
    - Transducer: 200 kHz / 111 Beams
    - 150° Coverage / 1.5° Along Track, 3.5° Across Track
  - Side Scan Sonar: Chirp (120 kHz or 410kHz)
  - Subbottom Profiler: Chirp (2-10 kHz)
  - Magnetometer (Optional)

- **Ancillary Systems**

- DGPS
  - Inertial Navigation
  - Simrad HiPAP USBL
  - Doppler Velocity Log
  - Kalman Filter
  - Fiber Optic Gyro
  - Motion Reference Unit
  - Digiquartz Depth Unit
  - Single Beam Altimeter

- **Acoustic Communications**

- Command & Control (Low Speed Acoustic Modem)
  - Data Uplink (High Speed Acoustic Modem)

- **Surface Communications**

- UHF Radio
  - DGPS

- **Vessel Specifications**

- Depth Rating: 10,000 feet (3000 Meters)
  - Length: 17.55 feet (5.35 Meters)
  - Maximum Diameter: 3.28 feet (1.00 Meters)
  - Normal Speed: 4 Knots
  - Underwater Endurance at 4 Knots: 50 Hours
  - Power – Aluminum Oxygen Fuel Cell