

### YUCO Micro AUV Specifications

#### YUCO Common Specifications

- Depth rated: 300m
- Weight in Air: <10kg with payload
- **Diameter: max 120mm**
- Speed: +5 knots
- Navigational Accuracy: 2% or better with DVL without resurfacing and without external acoustic positioning system
- **Rechargeable batteries via external connector (no need to open AUV section to recharge)**
- UHF handheld remote control/surface unit range: > 2km
- Handheld control unit features "Return to Home" function
- Navigation software programming interface provides variety of pre-defined survey patterns including; sawtooth, vertical profiles, parallel grid, segments and waypoints.
- All navigation data (roll, pitch, yaw, depth, etc.) are acquired and stored at 20Hz and can be downloaded in .csv files.
- End user serviceable firmware update, including micro-controllers, performed remotely without opening the AUV.
- Compatible with AML sonde
- Sidescan Sonar frequency: 680kHz with cm resolution

#### YUCO-PHYSCO w/AML

- Multiparameter sonde is removeable from payload section for autonomous sonde deployment
- Ability to exchange sonde sensors with auto-detection

#### YUCO-PHYSCO

- Integrated DVL and Multiparameter sonde
- All sensor data (including DVL) is timestamped and georeferenced with nav data in a single standard file format