

AGEOTEC ROV SIRIO

Observer-Class Remotely Operated Vehicle

Leveraging more than two decades' experience in coastal and offshore surveying and construction characterizing the AGEOTEC product line, the ROV Sirio presents itself as the first ever developed model of L3Harris' wide range of underwater vehicles.

STRUCTURE FRAME AND FITTING

Sirio features a modular chassis manufactured in high-impact resistant polypropylene, totally maintenance-free and non-corroding. All chassis members can be easily replaced and any additional equipment may be bolted directly onto them. Pressure housings are in anticorrosional 6060 aluminum.

PROPULSION

Two vertical oblique vectored and two horizontal vectored DC brushless thrusters, featuring:

- > 15 Kg downward thrust
- > 16,5 Kg forward thrust
- > 7 Kg lateral thrust

VIDEO & LIGHTS

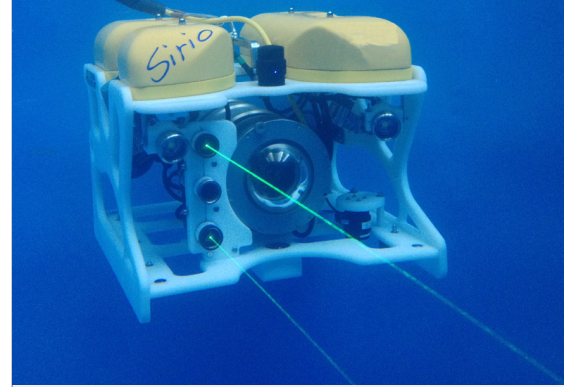
Fitted inside the PMMA dome on the Electronic POD, the standard color camera has a resolution of 750 TVL and both PAL and NTSC support. An external-switched camera can be added and placed upon the user preference. The model has standard 2 LED spot lights of 2K lumen each

SENSORS

The vehicle is equipped with an IMU (inertial measurement unit), providing high-accuracy heading position. A digital pressure sensor provide the depth value with high stability. Auto-heading and auto-depth functions are standard.

BUOYANCY & PAYLOAD

Two encapsulated high-density foam blocks providing 8 Kg of payload capability. Additional buoyancy modules can be added to increase the payload. Modular ballasts allow the trimming of the vehicle balance.



300 msw

MAX DEPTH

40 kg

WEIGHT

Featuring:

- > 590x560x450 mm dimensions
- > One high resolution PAL/NTSC videocamera
- > Up to 10 Kg payload
- > Extremely tough and reliable structure, for the harshest conditions



ROV SURFACE UNIT

Composed by a 12U 19-inch (482 mm) rack flight case, it contains all the necessary to operate the ROV. The pilot monitor is a professional 17-inch (431 mm) pull-out monitor connected to a digital video recorder with 1 TB of standard memory.

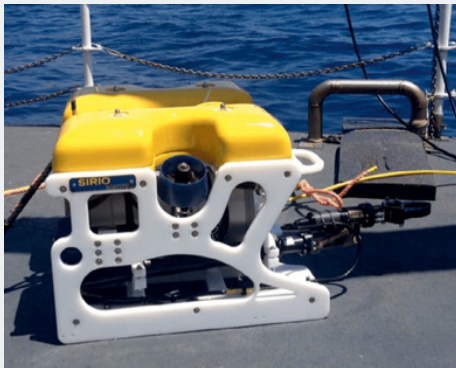
VIDEO OVERLAY

The standard video overlay is capable of displaying all the essential data for the pilot such as: heading, depth, pitch & roll, date & time, CP probe (if fitted), user comments and external data input.

POWER REQUIREMENT

230 VAC - 50/60 Hz, 3 kW

| | LENGTH (MM) | WIDTH (MM) | DEPTH (MM) | WEIGHT (KGS) |
|--------------------|-------------|------------|------------|--------------|
| Vehicle dimensions | 590 | 560 | 450 | 40 |
| RSU dimensions | 550 | 770 | 600 | 65 |
| Winch dimensions | 696 | 480 | 500 | up to 60 |



AGEOTEC ROV SIRIO

OBSERVER-CLASS REMOTELY OPERATED VEHICLE

Maximum flexibility in an ultra compact vehicle, designed for fast free mobilization, launch and recovery.

ACCESSORIES

AGEOTEC ROV Sirio can be customized using many accessories, including:

- > CP probe
- > Sonar
- > Ultrasonic thickness gauge
- > USBL position system
- > One or two function electric manipulator
- > External camera
- > Laser scaling system
- > Additional one or two 2K lumen LED spot lights



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