

## AGEOTEC ROV LYRA

### Observer-Class Remotely Operated Vehicle

Leveraging more than two decades' experience in coastal and offshore surveying and construction characterizing the AGEOTEC series, the Lyra features an exceptional payload capacity for an observer-class remotely operated vehicle.

#### STRUCTURE FRAME AND FITTING

Lyra remotely operated vehicle (ROV) 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:

- > 18 Kgf downward thrust
- > 20,8 Kgf forward thrust
- > 10 Kgf lateral thrust

#### BUOYANCY & PAYLOAD

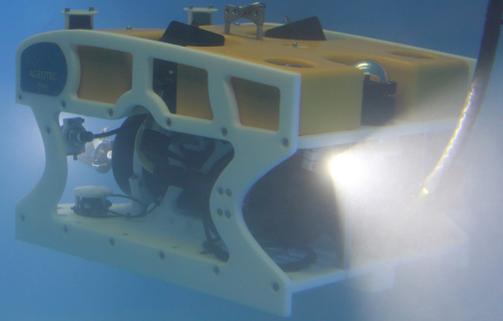
One encapsulated high density foam block provides up to 24 Kg of payload capability. Additional buoyancy modules can be added to increase the payload. Modular ballasts allow the trimming of the vehicle balance.

#### VIDEO

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 real-time camera can be added and placed upon the user preference.

#### SENSORS

The vehicle is equipped with an IMU 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.



**300 msw**

MAX DEPTH

**60 kg**

WEIGHT

#### Featuring:

- > 750x600x530 mm dimensions
- > As many as three PAL/NTSC cameras
- > Up to 22 kg payload up to 22 kg
- > Extremely tough and reliable structure, for the harshest conditions
- > Standard 2 led lights 2K lumen optional 2/3 more led lights



## 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 HD 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, 3,3 kW

	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KGS)
Vehicle dimensions	750	600	530	60
RSU dimensions	550	770	600	55
Winch dimensions	675	846	500	130

## ACCESSORIES

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

- > CP probe
- > Sonar
- > Ultrasonic thickness gauge
- > USBL position system
- > Five-function manipulator
- > External camera 1 or 2 external camera
- > Laser scaling system
- > Altimeter



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### OBSERVER-CLASS REMOTELY OPERATED VEHICLE

Amazing weight-to-power ratio for a vehicle reliable even in the harshest conditions.

This sheet has been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR Part 120.11, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

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