L3HARRIS™
FAST. FORWARD.

AGEOTEC ROV PERSEO

Multipurpose-Class Remotely Operated Vehicle

L3Harris' AGEOTEC remotely operated vehicle (ROV) Perseo represents the perfect multitasking solution within our wide range of underwater vehicles.

STRUCTURE FRAME AND FITTING

Perseo 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 anticorodal 6060 aluminum.

PROPULSION

Two vertical and four vectored thrusters, featuring magnetically coupled propellers:

> 22 Kgf vertical thrust

> 39 Kgf forward thrust

> 30 Kgf lateral thrust

SENSORS

The vehicle is equipped with an inertial measurement unit providing high accuracy heading position. A digital pressure sensor provides the depth value with high stability. Auto-heading and auto-depth functions are standard. Auto-altitude is also available.

BUOYANCY & PAYLOAD

One encapsulated high density foam block provides up to 25 kg of expandable payload capability. Additional buoyancy modules can be added to increase the payload. Modular ballasts allow the trimming of the vehicle balance.

VIDEO & LIGHTS

Perseo features as many as three real-time cameras, mounted on an external tilt unit or on the ROV chassis.

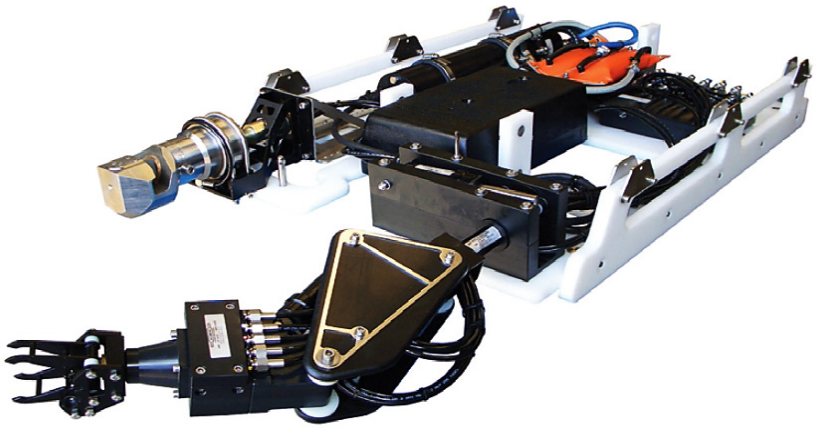
The standard camera features:

> 1 wide angle color camera

> 1 low-light black and white camera

High definition cameras are also available.

As many as four 4K lumen LED lights can be installed in the front part of the vehicle, two on the chassis and two on the tilt platform.



600 msw
MAX DEPTH

120 kg
WEIGHT

Featuring:

> 1100x710x857 mm dimensions

> As many as three real-time cameras

> Up to 25 Kg payload

> Extremely tough and reliable structure, for the harshest conditions

ROV SURFACE UNIT

The surface unit is composed of two 12U rack flight cases - one for control and supply of the vehicle and the other for video monitoring and recording as well as positioning system or instrumentation control units.

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

220-240 VAC, 50/60 Hz, 6 kW

	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KGS)
Vehicle dimensions	1100	710	857	120
RSU dimensions	550	770	730	65
Winch dimensions	1590	800	1100	400

ACCESSORIES

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

- CP probe
- Imaging sonars: mechanical/ multibeams
- Ultrasonic thickness gauge
- USBL position system
- Five functions hydraulic manipulator
- External cameras
- Laser scaling system
- Additional skid available
- Several survey sensors & instruments
- Cutting tools, water jet, cleaning brush, pipe & cable tracker

AGEOTEC ROV PERSEO

MULTIPURPOSE-CLASS REMOTELY OPERATED VEHICLE

The high-performance multitasking solution.

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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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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