

## AGEOTEC ROV PERSEO PLUS

### Multipurpose Class Remotely Operated Vehicle

L3Harris' AGEOTEC remotely operated vehicle Perseo Plus leverages more than two decades' experience in coastal and offshore surveying and construction characterizing the AGEOTEC product line, representing the ideal junction between power and agility.

#### STRUCTURE FRAME AND FITTING

Perseo Plus 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 and four vectored thrusters, featuring magnetically coupled propellers:

- > 35 Kgf vertical thrust
- > 64 Kgf forward thrust
- > 45 Kgf lateral thrust

#### SENSORS

The vehicle is equipped with an inertial measurement unit providing high accuracy heading position. A digital pressure sensor provide the depth value with high stability. Water ingress, line insulation, temperature and thrusters feedback are part of the sensors included in the diagnostic features. Auto-heading and auto-depth functions are standard. Auto-altitude is also available.

#### BUOYANCY & PAYLOAD

One encapsulated high density foam block provides up to 14 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

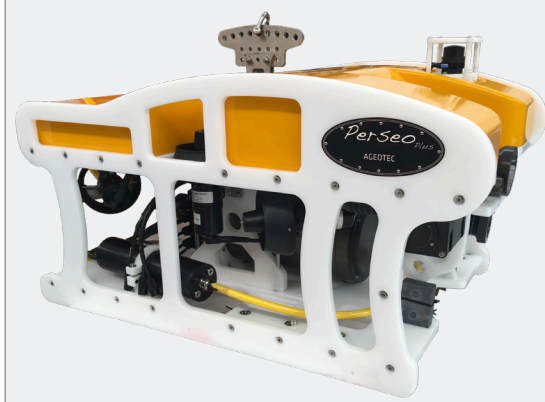
Perseo Plus features as many as three real-time cameras, mounted on an external tilt unit or on the ROV chassis.

The standard camera features:

- > One wide-angle color camera
- > One 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.



# 995 msw

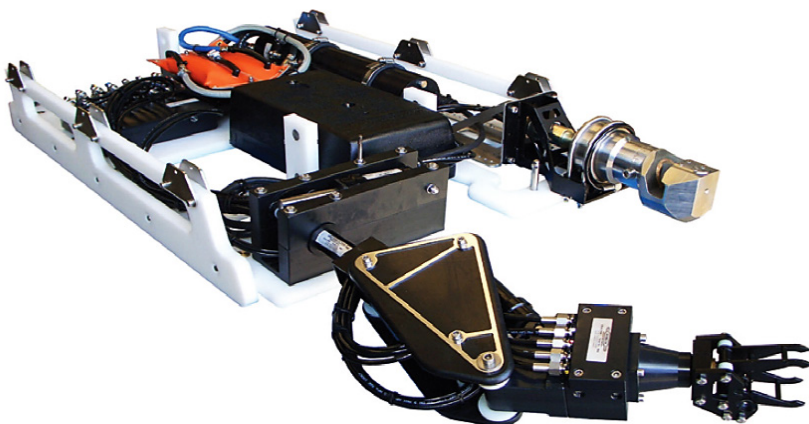
MAX DEPTH

# 120 kg

WEIGHT

#### Featuring:

- > 980x710x510 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

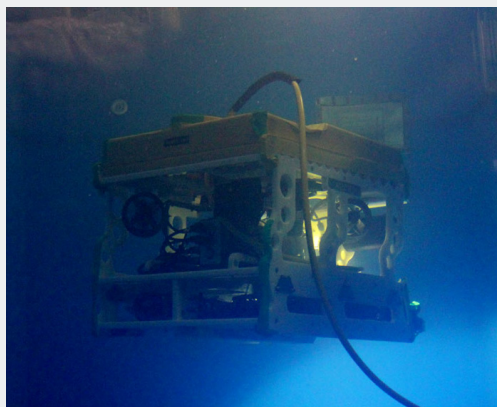
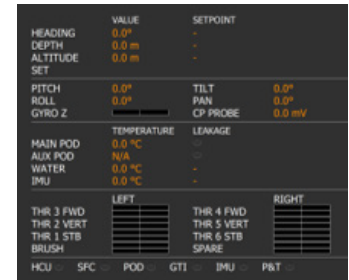
400 VAC - 50/60 Hz, 10 kW

	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KGS)
Vehicle dimensions	980	710	510	120
RSU dimensions	550	770	730	65
Winch dimensions	1590	800	1100	400

## ACCESSORIES

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

- > CP probe
- > Imaging sonars: mechanical/multibeams
- > Ultrasonic thickness gauge
- > USBL position system
- > One or two five-function manipulators
- > External cameras
- > Multi-beam echosounder
- > Additional lights
- > Laser scaling system
- > Cutting tools, water jet, cleaning brush, pipe & cable tracker



## AGEOTEC ROV PERSEO PLUS

### MULTIPURPOSE 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.

This document consists of general capabilities information that is not defined as controlled technical data under ITAR Part 120.10 or EAR Part 772.

### AGEOTEC ROV Perseo Plus

© 2022 L3Harris Technologies, Inc. | 06/2022

Data, including specifications, contained within this document are summary in nature and subject to change at any time without notice at L3Harris Technologies' discretion. Call for latest revision. All brand names and product names referenced are trademarks, registered trademarks, or trade names of their respective holders.

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.



**L3HARRIS™**  
FAST. FORWARD.

1025 W NASA Boulevard  
Melbourne, FL 32919  
t +39 05141377  
Calzoni.General@L3Harris.com