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FAST. FORWARD.

AGEOTEC ROV ANTARES

Observer-Class Remotely Operated Vehicle

L3Harris' AGEOTEC remotely operated vehicle Antares leverages more than two decades' of experience in coastal and offshore surveying and construction, representing a marvelous evolution in our wide range of underwater vehicles.

STRUCTURE FRAME AND FITTING

Antares 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 oblique vectored and four horizontal vectored thrusters, featuring:

> 16,5 kgf downward thrust
> 30 Kgf forward thrust
> 23 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. Auto-heading and auto-depth functions are standard.

BUOYANCY & PAYLOAD

Antares features 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

Antares features as many as two HD cameras, mounted on an external tilt unit or on the ROV chassis.

The standard camera features:

> 1080p, 30fps resolution
> Ethernet (IP) transmission
> MPEG H.264 compression
> Up to 180° tilt freedom

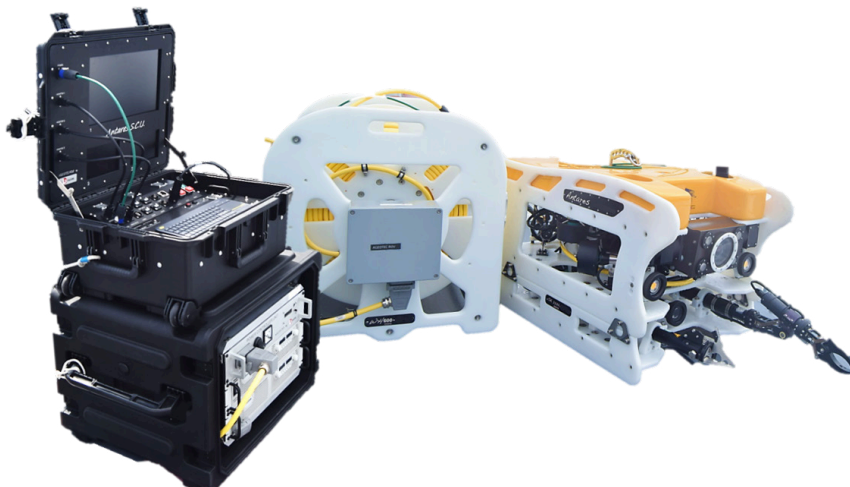The Antares is equipped with as many as four 4K lumen LED lights.

400 msw
MAX DEPTH

56 kg
WEIGHT

Featuring:

> 900x458x570 mm dimensions
> As many as two HD cameras
> Up to 14 Kg payload
> Extremely tough and reliable structure, for the harshest conditions

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ROV SURFACE UNIT

Portable control unit, contained in two trolley suitcases, featuring a surface unit, a power unit and a joystick. The camera and video recorder unit comes with a 15-inch LCD HD monitor. The control unit, which can be operated remotely, is supported with a power supply.
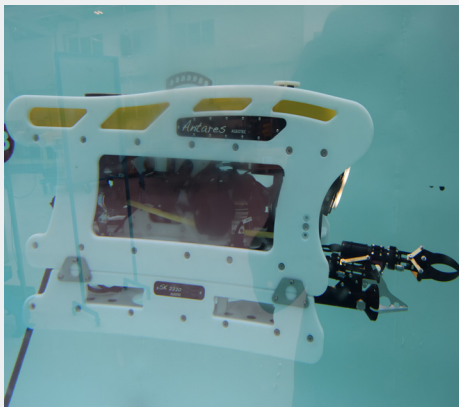
VIDEO OVERLAY

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	900	458	570	60
SCU dimensions	625	300	515	25
PCU dimensions	688	496	724	35
Winch dimensions	846	675	630	130

ACCESSORIES

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

> CP probe

> Imaging sonar: mechanical/multibeams

> Ultrasonic thickness gauge

> USBL position system

> One- or two-function electric manipulator

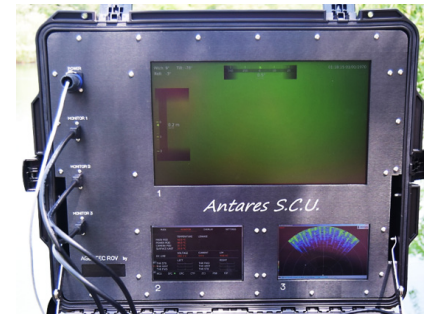> External camera

> Laser scaling system

AGEOTEC ROV ANTARES

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.

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

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