

Latest generation light interrogation arm

The interrogation arm aunav.CID LIGHT is a folding robotic arm with joints. It is fitted with intelligent control and handling, designed to carry out the survey, identification and removal of any type of device or detected threat, particularly explosive threats.

Its control system is remotely operated by Engineering Units tasked with clearing routes and critical installations. It can survey, identify, remove and neutralize the threat while keeping the operators at a safe distance at all times.

In order to detect EOD or IED devices, the aunav.CID L can include metal detectors, Ground Penetrating Radar (GPR) or CBRN sensors which are operated from the control unit.

THE ONLY INTERROGATION ARM WITH ROBOTIC TECHNOLOGY FOR ROUTE CLEARANCE, CAPABLE OF LIFTING 400 KG AND MULTIPLATFORM



- **Simplification of motion:** preset positions drastically reduce the time to set up the arm. Complex and routine movements such as folding and unfolding are made especially easy.
- **Strength and reach:** its extremely precise hydraulic system with 8 DoF enables the arm to lift 400 kg and gives it a vertical reach of 9 m and a horizontal reach of 8.5 m.
- **Detector:** permits the integration of a metal detector and a GPR to pinpoint mines and IEDs.

- **Four cameras:** it can show up to four cameras in real-time, one of them with PTZ and the other one with thermal capabilities.
- **Interrogation arm:** plug&play, its modular design can easily adapt to any kind of armoured vehicle.

MAIN FEATURES

Stowed length	2,320 mm (91.3")
Stowed width	715 mm (28.1")
Stowed height	1,010 mm (39.8")
Directional two-way audio system	Yes
Materials	Structure of aeronautical aluminum alloy and high resistance steel alloy

ARM FEATURES

Type of arm	Hydraulic arm
Degrees of Freedom (DoF)	8°
Base turret rotation	360°
Gripper rotation	360° endless
Maximum vertical reach (from ground level)	9,000 mm (354.3")
Maximum horizontal reach (from platform front side)	8,500 mm (334.6")
Maximum reach below ground level	- 3,000 mm (118.1")
Maximum lift capacity	400 kg
Arm to platform and ground collision avoidance system	Yes
Gripper based "snake" movement	Yes
Turret based "snake" movement	Yes
Self-calibration	Yes (speed)
Pre-set positions (factory & user-defined)	Yes / Yes

VISION AND LIGHTING SYSTEM

Standard	1 PTZ IR camera (arm) 2 IR cameras (gripper, arm)
Options	1 thermal camera (arm) See Defusing equipment to defusing tool cameras
Lighting system	1 LED

DEFUSING EQUIPMENT

Disruptors	2 disruptors with telemeter, camera and laser pointer 1 disruptor as automatic tool with telemeter and laser pointer
Firing cable reel	Yes
Shotgun	1 with IR camera

DETECTION SYSTEMS

CBRN	Any under demand Radiological safe container
Metal detector	Yes
GPR	Yes
Blower	Yes

MANIPULATORS

Parallel gripper with pressure sensor	Yes
Angular gripper with pressure sensor	Yes
Barrel gripper	Yes
Gripper fitted tools (BATS)	Yes
Elevation shovel	Yes
Rake shovel tool	Yes
Rake tool	Yes

AUTOMATIC TOOLS

Number of simultaneous tools	Three
Disruptor	Yes
Drill tool	Yes
Angular grinder	Yes

OPERATOR CONTROL UNIT (OCU)

Operation	Integrated joysticks and switches Gamepad
Typical operating time	Aprox. 5 h (depending on task)
Videofeeds	Up to 8 video feed simultaneously
Videorecording	Yes
Screenshots	Yes
Blackout mode	Yes
3D Avatar	Yes
Power system	Rechargeable lithium-ion batteries
Communications system	MN-MIMO COFDM radio, WiFi, Fibre Optic, Ethernet
Communications modes	Wired / Wireless / EMCON



The technical characteristics and equipment depend on the configuration and version of the robot. Equipment includes options. All the data is accurate, with the exception of possible typographical errors. All photos are the propriety of everis ADS or their use has been authorised by their respective owners.