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ECA GROUP extends its UGV range with CAMELEON LG

ECA Group integrates a ground robot based on the CAMELEON UGV range to meet new operational needs of military and security units: the CAMELEON LG. This new generation ground robot is lightweight, compact and particularly resistant.



The [CAMELEON LG](#) is designed to be carried in a backpack in addition to the standard equipment of an infantry soldier deployed in OPEX (Operations abroad) missions and this without supposing an overload. The CAMELEON LG is a real partner that increases the capacity of a unit deployed on the field without slowing down or hindering it in its tactical movements.

Lightweight (12 kg) but versatile (payload 15 kg) the robot CAMELEON LG can be equipped with a manipulator arm (lifting capacity of 4.5 kg) or sensors (laser range finder, radiological sensor, chemical sensor, thermal camera, etc.) and meet the needs of the mission with a radius of action up to 500 meters and a capacity to climb 45-degree slopes.





Resistant (IP65) to dust, water and shocks it can be thrown during its deployment to limit the vulnerability of the operator or to reach inaccessible places such as windows, balconies, low walls, terraces, caves, cliffs ... This resistance is also an asset during its transport, the CAMELEON LG can be loaded in all types of military vehicles without any storage box.

Operational in only 3 minutes, the deployment of the [CAMELEON LG](#) is simple and fast meeting all responsiveness needs of a tactical mission.

Its high-resolution cameras, light weight, small size, agility and off-road capabilities make it an ideal robot for inspecting terrain, culverts, homes, caches or undersides of vehicles in search of IEDs, suspicious packages or hidden triggering devices.

Learning how to use it is easy, quick and without long training requirements.

A specific design is made to enhance the ergonomics of the touch screen, controls and buttons. Thus, the operator can easily control the CAMELEON LG, interpret received images and data, direct the robot and manipulate the arm and sensors. Its auto-diagnostic system for maintenance helps reduce the operator's workload. The control station is also resistant to shocks, water and dust.

The CAMELEON LG has great endurance capability with 4 hours on the move and 15 hours in stand-by mode.

ECA GROUP develops and supplies land robots - [UGVs \(Unmanned Ground Vehicles\)](#) - for French and foreign POLICE and MILITARY units for more than 15 years. Their good reputation is due to their performances, reliability and versatility, such as the [CAMELEON](#) and its LG version which is already popular.

Some references:

- COBRA and [CAMELEON](#) UGVs were deployed by the French Armed Forces in Afghanistan and Mali.
- [COBRA](#) has joined the Armed Forces of Canada in 2017 with 20 units.
- The Hungarian Police and the Belgian Army are equipped with CAMELEON UGVs
- The Royal Thai Air Force is equipped with COBRA robots
- The [IGUANA](#) robot will equip the French Armed Forces and already equips the police units of the Principality of Monaco and the Principality of Andorra.



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ECA GROUP

Recognized for its expertise in robotics, automation systems, simulation and industrial processes, the ECA GROUP has been developing complete, innovative technological solutions for complex missions in hostile and confined environments since 1936. Its product offering is designed for an international client base that is demanding, both in terms of safety and effectiveness. The Group's main markets are in the defense, maritime, aeronautics, simulation, industrial and energy sectors.

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