

Cameleon LG E

IEDD & EOD mini UGV

- Quick deployment (<3min)
- High performance mobility
- Hot plug mission module / battery
- 5 axis manipulator arm
- Reconnaissance mission
- Autodiagnostic for maintenance



OPERATIONAL PERFORMANCES

Endurance	Between 2h30 to 4h (depend of the mission)
Max endurance	15h (surveillance area without movement)
Speed	Up to 5.1 Km/h
Weight (with arm & small OCU)	< 20kg
Obstacle clearance	20cm
Slope	45°
Temperature range	-20°C to + 55°C
Digital radio range	Up to 500m
Lifting capability	Up to 4.5 Kg
Vertical reach	Up to 91 cm
Horizontal reach	Up to 91 cm
Towing capability	20 Kg

TECHNICAL SPECIFICATIONS

Operator control unit

- Several OCU
 - 5" rugged touch screen
 - 7" rugged touch screen
 - 10.1" rugged touchscreen Full HD resolution, <5kg, 4 axis joystick
- 3D active model of robot
- Auto diagnostic for maintenance

Chassis

- Rugged
- Waterproof : IP65
- Weight: 12.2 Kg with two batteries
- 2 motorized flippers
- Payload capacity : 15Kg
- Inclinometers & GPS
- Size (cm, with track kit long): 47cm (L) x 42cm (W) x 18cm (H without antenna)
- Microphone & loudspeaker (5m range)
- Up 3 mission module capability
- 2 radio antennas
- Camera :
 - Color/IR & light white + IR
 - Backward : color/IR & light white + IR
- 2 battery slots (Hot swap)
- Up to 3 PICATINY rails

Mission module manipulator arm

- Removable arm (hot swap)
- 4 electrical axis + 1 O/C gripper
 - Turret: +/- 185°
 - Elbow : +180° / -30°
 - Wrist : +90° / -180°
 - Gripper rotation 360° continuous
- Automatically reach position
- Gripper aperture : 0 to 120mm
- 1 safe shooting circuit
- Anti-collision safety
- 3 camera with lighting
- Gripper/turret/disrupter camera
- 2 PICATINY rails for payload

Mission module disrupter

- Safe shooting circuit
- Tilt (+45°/-45°) for 12.5 mm disrupter
- Tilt (+20°/-20°) for >20 mm disrupter
- Color camera
- Lighting



Cameleon LG E in operation with disrupter



Mission Module Disrupter

OPTIONS

- For manipulator arm :
 - Laser telemeter
 - Disrupter holder (AB Precision 2000L/3000L/Needle Plus; RICHMOND; RE50/70; NEUTREX 12,5SR/20SR/29SR)
 - CBRN sensor holder
 - Windows breaker
 - Cutting tools
 - 0.5mm metal wire cutting
 - Gripper jaw aperture 150mm
- Track kit with 4 shorts flippers
- Long Track Kit
- Special motor for increase speed 11km/h
- CBRN payload
- Reconnaissance payload
- Fiber Optic cable 1000m expandable
- Mesh transmission
- COFDM transmission
- Encrypted communications
- Thermal camera in forward of chassis