



telemax™ EVO PLUS

The telemax EVO PLUS is the largest, most powerful telemax UGV, making it ideal for EOD, HAZMAT, CBRNE and High Risk Law Enforcement operations. Combining heavy lifting capacity with precise movement, its 6-axis manipulator features Tool Center Point Control, providing humanlike control. Its 4-track drive system with auto-leveling provides the ability to easily handle multiple gradients, gaps and terrains. A double payload bay and automatic tool exchange allow operators to take multiple tools, disruptors or other sensors downrange, eliminating round-trip load-outs. Onboard IP Mesh radio delivers secure communications in complex urban environments, and onboard HD pan-tilt-zoom camera produces razor-sharp images with four simultaneous video feeds (QuadView). All AeroVironment UGVs feature the intuitive and operationally simplified Robo Command Control Station with multi-touch screen, pre-programmed motion sequences and ergonomically designed hand controllers for precision control of the robot, manipulator and accessories.

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Largest and Strongest Heavy Lift Capable

telemax™ EVO PLUS

DISTINCTIONS



» LIFTING CAPACITY
176 lb (80 kg)



» GRIPPER WIDTH
8 in (200 mm)



» MISSION DURATION
Up to 12 hr



» CLIMB STAIRS AND SLOPES
45°

SPECIFICATIONS

TOTAL PAYLOAD CAPACITY	154 lb (70 kg)
SPEED	3.1 mph (5 km/h)
DIMENSIONS	34 in x 27 in x 29 in (870 mm x 680 mm x 740 mm)
WEIGHT	249 lb (113 kg)
DRIVE MECHANISM	4-track running gear with individually adjustable flippers
FUNCTIONALITY	Obstacle Height: 16 in (400 mm) Gap Width: 20 in (500 mm)

Technical data ±5% tolerance

INTERCHANGEABLE ACCESSORIES



Optics/Visual
Augmentation



UGV
Communications



Power
Sources



Wheels/
Tracks



Tooling &
Hauling



Render Safe
Options

MISSION VARIANTS



EOD
Explosive Ordnance
Disposal



HAZMAT
Hazardous
Materials

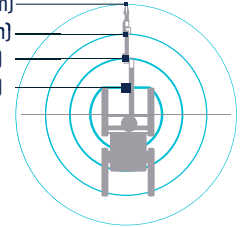


CBRNE
Chemical, biological,
radiological, nuclear &
explosives



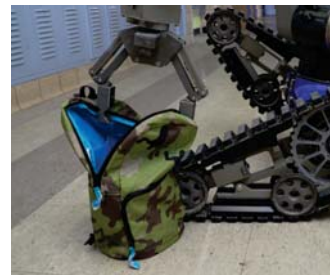
SWAT
High Risk Law
Enforcement
Operations

LIFT CAPACITY AT DISTANCE 33 lb (15 kg) // 60 in (1530 mm)
55 lb (25 kg) // 46 in (1180 mm)
99 lb (45 kg) // 32 in (810 mm)
176 lb (80 kg) // 12 in (300 mm)



ROBO COMMAND

Interoperable controller,
radio & communications—
reducing operation,
training & logistics



KEY FEATURES

- » 6-axis precision manipulator
- » Tool Center Point Control—providing maximum movement flexibility of the manipulator
- » Fully integrated 2-way audio module
- » Automatic tool exchange—double payload bay
- » HD pan-tilt-zoom camera—displays four video feeds (QuadView)
- » Versatile 4-track drive system—handles gradients/obstacles/gaps
- » Easy access to pre-programmed manipulator & flipper motion sequences
- » IP Mesh Radio Network with optional repeaters provide secure & resilient communications over extended ranges

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