

tEODor™ EVO

Purpose-built for explosive ordnance disposal and disarming improvised explosive devices, the tEODor EVO is heavy lift capable, and features a telescopic 6-axis manipulator that enables it to precisely handle hazardous materials. The dual-track drive system with independent high-torque motors allows it to traverse multiple gradients, high obstacles or steep inclines. An expansive 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 cameras produce 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.

Next Generation EOD Technology Heavy Lift Capable

tEODor™ EVO

DISTINCTIONS



» LIFTING CAPACITY
220 lb (100 kg)



» GRIPPER WIDTH
12 in (300 mm)



» MANIPULATOR
6-axis with telescopic reach



» CLIMB STAIRS AND SLOPES
45°

SPECIFICATIONS

MISSION DURATION	4 hr
SPEED	1.8 mph (3 km/h)
DIMENSIONS	54 in x 27 in x 44 in (1370 mm x 685 mm x 1130 mm)
WEIGHT	844 lb (383 kg)
DRIVE MECHANISM	Dual track—dependent high-torque motors
FUNCTIONALITY	Upward Reach with Vertical Gripper: 113 in (2860 mm) Upward Reach with Horizontal Gripper: 95 in (2410 mm) Forward Reach: 73 in (1860 mm) Downward Reach: 50 in (1260 mm)

Technical data ±5% tolerance

INTERCHANGEABLE ACCESSORIES



Optics/Visual
Augmentation



UGV
Communications



Power
Sources



Tracks



Tooling &
Hauling



Render Safe
Options

MISSION VARIANTS



EOD
Explosive Ordnance
Disposal



HAZMAT
Hazardous
Materials



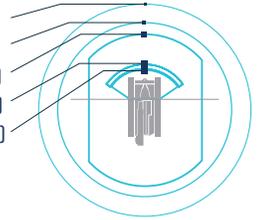
CBRNE
Chemical, biological,
radiological, nuclear &
explosives



SWAT
High Risk Law
Enforcement
Operations

LIFT CAPACITY AT DISTANCE

44 lb (20 kg)	//	71 in (1810 mm)
66 lb (30 kg)	//	55 in (1410 mm)
121 lb (55 kg)	//	45 in (1150 mm)
198 lb (90 kg)	//	20 in (500 mm)
220 lb (100 kg)	//	16 in (400 mm)



ROBO COMMAND

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



KEY FEATURES

- » 6-axis precision manipulator
- » Laser rangefinder, video input & data interface integrated into gripper
- » Universal interfaces—multiple firing system connection options
- » Automatic tool exchange—expansive payload bay (771 lb)
- » HD pan-tilt-zoom camera—displays four video feeds (QuadView)
- » Easy access to pre-programmed manipulator motion sequences
- » IP Mesh Radio Network with optional repeaters provide secure & resilient communications over extended ranges