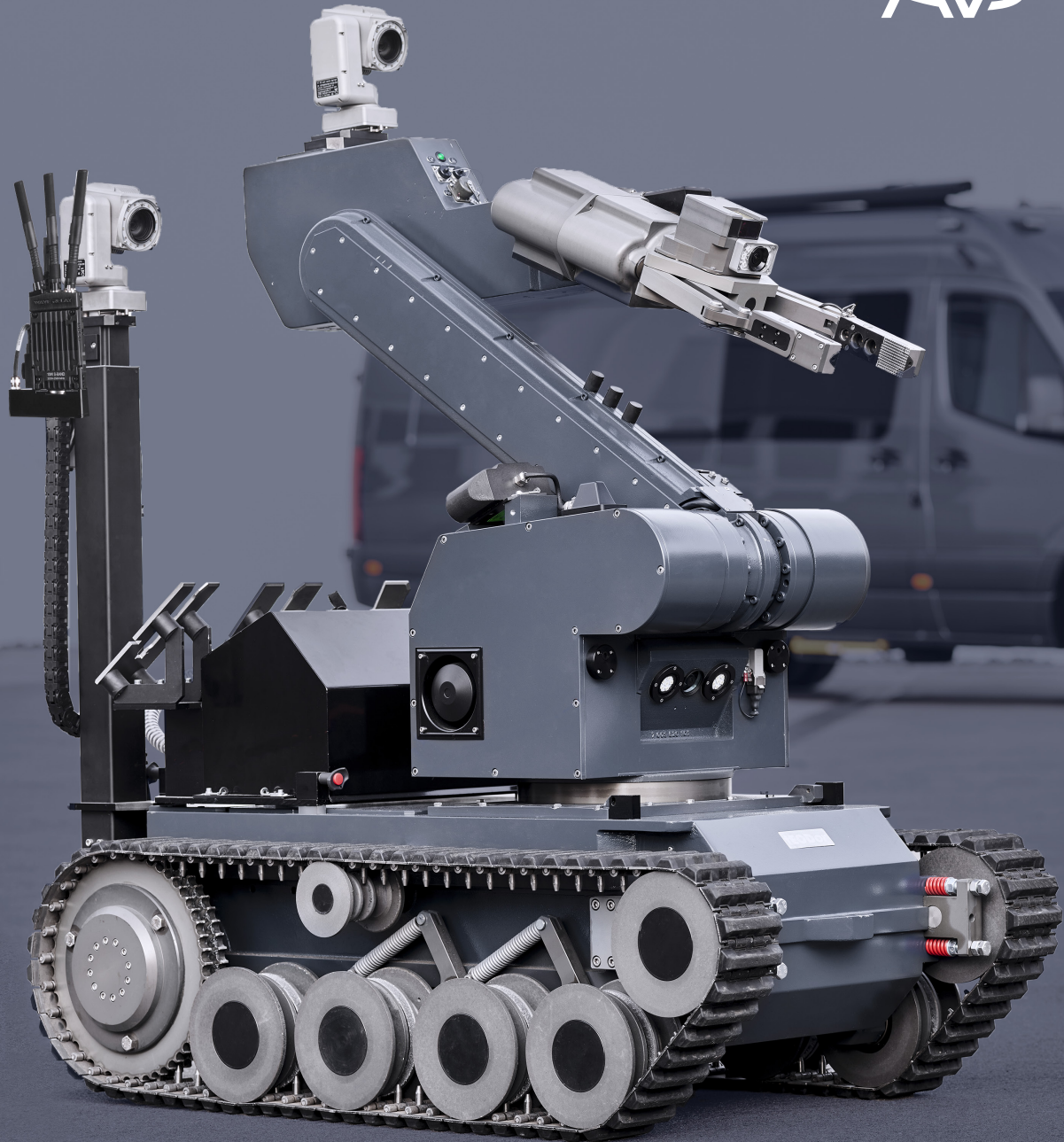






# tEODor™ EVO



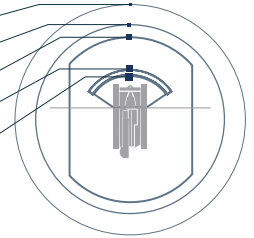
Purpose-built for explosive ordnance disposal and disarming improvised explosive devices, the tEODor EVO is heavy lift capable, and features a telescopic 6-axis manipulator that enables it to precisely handle hazardous materials. The dual-track drive system with independent high-torque motors allows 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 AV 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.

## \_Distinctions

 <p><b>LIFTING CAPACITY</b> 220 lb (100 kg)</p>	 <p><b>GRIPPER WIDTH</b> 12 in (300 mm)</p>	 <p><b>MANIPULATOR</b> 6-axis with telescopic reach</p>	 <p><b>CLIMB STAIRS AND SLOPES</b> 45°</p>
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## [LIFT CAPACITY AT DISTANCE]

44 lb (20 kg) // 71 in (1810 mm)
66 lb (30 kg) // 55 in (1420 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)









## \_Specifications

<b>MISSION DURATION</b>	4 hr
<b>SPEED</b>	1.8 mph (3 km/h)
<b>DIMENSIONS</b>	54 in x 27 in x 44 in (1370 mm x 685 mm x 1130 mm)
<b>WEIGHT</b>	844 lb (383 kg)
<b>DRIVE MECHANISM</b>	Dual track— independent high-torque motors
<b>FUNCTIONALITY</b>	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)




**ROBO COMMAND**  
Interoperable controller, radio & communications—reducing operation, training & logistics

## [INTERCHANGEABLE ACCESSORIES]

					
<b>OPTICS/VISUALS</b>	<b>UGV COMMS</b>	<b>POWER SOURCES</b>	<b>WHEELS/TRACKS</b>	<b>TOOL STORAGE &amp; EXCHANGE</b>	<b>RENDER SAFE OPTIONS</b>

## [MISSION VARIANTS]

 <p><b>EOD</b> Explosive ordnance disposal</p>	 <p><b>HAZMAT</b> Hazardous materials</p>	 <p><b>CBRN</b> Chemical, biological, radiological, nuclear &amp; explosives</p>	 <p><b>SWAT</b> High risk law enforcement operations</p>
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## \_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