



Positive solutions for
complex requirements

tEODor™ EVO Heavy-Duty Explosive Ordnance Disposal (EOD) Robot.

Proton Dynamics is the sole authorised distributor of Telerob unmanned ground vehicle (UGV) systems in Australia, including the tEODor™ EVO, a proven heavy-lift EOD robot that provides Defence, law enforcement and public safety agencies with a robust robotic capability for the investigation, identification and disposal of explosive threats. Combining a telescopic 6-axis manipulator, automatic tool exchange, advanced HD visual systems and secure IP Mesh communications, the tEODor™ EVO enables operators to safely undertake complex EOD and hazardous intervention tasks while maintaining maximum stand-off from potential threats.

As an authorised distributor, Proton Dynamics provides a complete capability that extends beyond equipment supply. Supported by Telerob, we deliver introduction-to-service and advanced operator training, technical support, maintenance, repair and sustainment services designed to maintain ongoing capability availability and operational readiness. Our engineers and electrical technicians have completed formal training and certification with Telerob in Germany, ensuring Australian users have direct access to certified technical expertise throughout the service life of their systems.



TELEROB
An AV Company

Product overview

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



LIFTING CAPACITY

220 lb (100 kg)



GRIPPER WIDTH

12 in (300 mm)



MANIPULATOR

6-axis with telescopic reach



CLIMB STAIRS AND SLOPES

45°

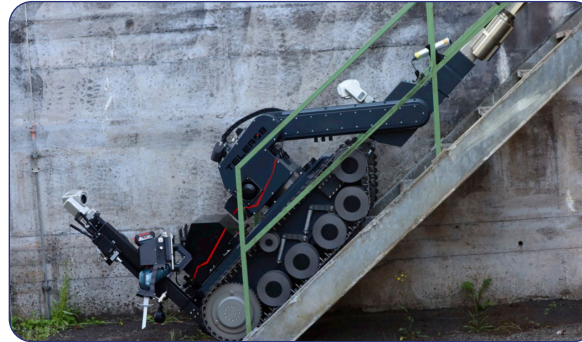


Specifications

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 - independent 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)

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



INTERCHANGEABLE ACCESSORIES



OPTICS/
VISUALS



UGV
COMMS



POWER
SOURCES



TRACKS



TOOL STORAGE
& EXCHANGE



RENDER SAFE
OPTIONS

MISSION VARIANTS



EOD
Explosive
ordnance
disposal



CBRN
Chemical, biological,
radiological, nuclear
& explosives



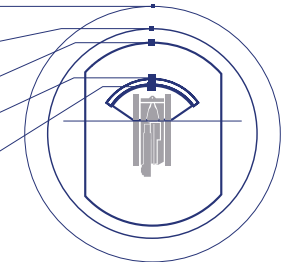
HAZMAT
Hazardous
materials



SWAT
High risk law
enforcement operations

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)



ROBO COMMAND

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

Information supplied by Telerob



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ACCREDITATIONS & CREDENTIALS

- ISO 9001:2015 Accredited
- Supply Nation Registered
- SME (Small-Medium Enterprise)

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