

QINETIQ



TALON[®]

Multi-Mission EOD Robot

For 24 years TALON robots have been used worldwide for explosive ordnance disposal, chemical, biological, radiological, nuclear, reconnaissance, defense, security and rescue missions. TALON has earned a reputation for durability, flexibility and performance in keeping the Military, First Responders and Law Enforcement out of harm's way.

Proven Leadership in Robotics

TALON robots have been in continuous, active service since 2000 when they were first used in Bosnia for moving and disposing of live explosives. They were also the first military robot to be used in active combat in Afghanistan and in Iraq. Now on its fifth iteration, TALON is a fielded robotic system that has successfully gone through Army Test and Evaluation Command testing.

Superb Mobility

Built to be rugged, TALON has proven to be operational in the most challenging environments and adverse weather conditions. TALON's optional high-performance drive motor provides enough torque to climb a 43° staircase.

Key Features and Benefits

Configurable and adaptable system to support various mission profiles for combat engineers, EOD, CBRN

Reduces cost of life cycle support logistics by being straightforward to maintain and repair

Highly mobile, rugged and reliable

Heavy-lift, multiple degree-of-freedom manipulator arm

Radio agnostic communication system with IP meshnetworking radios

High-definition cameras and video

Powerful, secure, digital encrypted communications

Provides real-time information and situational awareness to support critical and dangerous missions and ground missions

Saves lives by keeping Military, Law Enforcement and First Responders away from danger

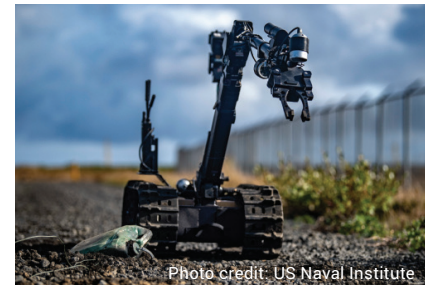
TALON 5 DOF General Specifications

Length	36in (91.4cm)
Width	22.5in (57.1cm)
Height	21in (53.3cm) Stowed
Weight	No Batteries: 158lb (71.8kg) With Batteries: 168lb (76.20kg)

Features and Capacities

Endurance	4-6 hours (mission dependent) 8 hrs on stand-by
Speed	5 mph/ 8.2 kph
Tow Capacity	220 lbs (100 kg)
Vertical Reach	77in from floor (195 cm)
Max Payload Weight	150 lbs. (68 kg)
Vertical Reach	77in from floor (195 cm) Reach to wrist: 66in (168 cm) Reach to gripper tip: 77in (195 cm)
Horizontal Reach	From front most edge of track 62in (157 cm) Reach to wrist 49in (125 cm) Reach to gripper tip 59in (152 cm)
Gripper Rotation	360 degree rotation (continuous)
Slope Climb/Descend	37 degrees
Stair Climbing	43 degrees
Obstacle Navigation	Up to 15in (38 cm) snow or demolition rubble
Controller Options	Laptop Control Unit (LCU)
Communications	External IP Radio (Persistent System's MPU5 Radio) Gigabit Ethernet Communications Backbone
Operating Range (LOS)	Exceeds over 800m (2,600ft)
PTZ Cameras	Up to 1080p (1920X1080) resolution 30X Optical Zoom 12X Digital Zoom 360X combined Optical and Digital
Stationary Cameras Gripper, Elbow, Rear and/or Front	Up to 1080p resolution (1920 X 1080)
Video	1080p HD Color, Still and Video
Illuminators	User-adjustable

Note: Due to continuous process improvements, specifications are subject to change without notice.



Collaborating with QinetiQ

At QinetiQ we bring organizations and people together to provide innovative solutions to real world problems, creating customer advantage. Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

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