



TALON

For over 15 years, TALON robots have been used worldwide for explosive ordnance disposal, chemical, biological, radiological, nuclear, explosive reconnaissance, sensing, defense, security and rescue missions. These rugged and reliable robots have earned a reputation for durability, flexibility and performance in keeping military, first responders and civilians out of harm's way.

Proven Leadership in Robotics

TALON robots have been in continuous, active service since 2000 when they were used in Bosnia for moving and disposing of live explosives. They were the first military robot to be used in active combat in Afghanistan and in Iraq. Now on its fifth generation, TALON 5 is the first Interoperability Profile (IOP) fielded robotic system that has successfully gone through Army Test and Evaluation Command testing.

Superb Mobility

TALON 5's high performance drive motor option supports speeds up to six miles per hour, with enough torque to climb a 45° staircase. This rugged robot has proven to be operational in the most challenging environments and adverse weather conditions.

Features

- IOP and SAE JAUS AS4 compliant
- Easy to maintain and repair
- Highly mobile
- Rugged and reliable
- Configurable for combat engineers, EOD, CBRN
- Heavy-lift, multiple degree-of-freedom manipulator arm
- Flexible controller options
- User-defined graphical interface and programmable manipulator presets
- Autonomy and mapping
- Streaming high-definition video
- Powerful, secure digital encrypted communications

Benefits

- Keeps the Military, law enforcement and first responders away from danger
- Provides real-time information and situational awareness to enhance security and support critical and often dangerous missions
- Protects against CBRN, EOD, IED missions
- Reduces costs of support logistics
- Saves lives

General Specifications

Length	34.5" (87 cm) With Arm: 43.5" (110 cm)
Width	22.75" (58 cm)
Height	33" (83 cm)

Features and Capacities

Speed	Up to 6 mph (9.6 Kp/h) Digital, closed loop motor control
Stair Climbing	45° slope
Turning Circle	52.5" diameter (133 cm)
Max Payload Weight	150 lbs. (68 kg)
Vertical Reach	77" from floor (195 kg)
Horizontal Reach	62" from front most edge of track (157 cm)
Gripper Force	110 lbs (49.9 kg)
Gripper Rotation	360° (continuous)
Controller Options	Laptop Control Unit Tactical Robot Controller (TRC) UC-LITE
Communications	External IP MPU5 Radio Gigabit Ethernet Communications Backbone
Operating Range	Over 2,600 feet (800 m) Line-of-Sight
Cameras	Four (4)
Endurance	3-4 hours (mission dependent)

Available I/O Ports

2x IOP A connectors
1x IOP B connector
4x Gigabit Ethernet and 12VDC (24VDC opt.)
2x RS-232 ports
1x USB port
1x CAN bus
Gripper Force
6x Interfaces for legacy TALON accessories



Collaborating with QinetiQ

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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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For further information please contact:

QinetiQ NDT & EFDC
Building 821
MOD Boscombe Down
Amesbury, Wiltshire SP4 0JF
Tel: 01980 664000
Tel (Direct): 01980 662985
Email: efdc@qinetiq.com