



Rugged. Flexible. Proven.

TALON[®]

Medium-Sized Tactical Robot

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
- High-definition video
- Powerful, secure, digital encrypted communications

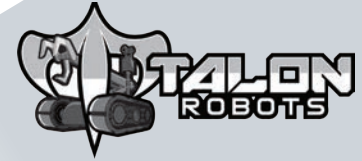
Benefits

- Keeps the Military, law enforcement and first responders away from harm's way
- Provides real-time information and situational awareness to support critical and often dangerous missions and ground operations
- Reduces cost of life cycle support logistics
- Saves lives

Combat and field proven for over 15 years.

TALON[®]

The IOP Compliant Tactical Robot



TALON 5 is the first IOP fielded robotic system that has successfully completed ATEC testing.

General Specifications

Length	34.5" (87 cm) With Arm: 43.5" (110 cm)
Width	22.75" (58 cm)
Height	33" (83 cm)
Weight	150 – 225 lbs. (68 - 102 kg) (configuration dependent)

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 (Universal Controller - Lightweight Interoperable Tactical Equipment)

Communications	External IP Radio (Persistent System's MPU5 Radio) Gigabit Ethernet Communications Backbone
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Operating Range	Over 2,600 feet (800 m) Line-of-Sight
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Cameras	Four (4)
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Endurance	3-4 hours (mission dependent)
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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
6x Interfaces for legacy TALON accessories

