



**Rugged. Flexible. Proven.**

# TALON<sup>®</sup>

## Medium-Sized Tactical Robot

For 20 years TALON robots have been used worldwide for explosive ordnance disposal, chemical, biological, radiological, nuclear, reconnaissance, 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 first 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 optional high performance drive motor provides 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**



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## The IOP Compliant Tactical Robot



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

### TALON 5 General Specifications

<b>Length</b>	34.5" (87 cm) With Arm: 43.5" (110 cm)
<b>Width</b>	22.75" (58 cm)
<b>Height</b>	33" (83 cm)
<b>Weight</b>	178 lbs. (81 kg) (with batteries)
<b>Features and Capacities</b>	
<b>Endurance</b>	3-4 hours (mission dependent)
<b>Stair Climbing</b>	45° slope
<b>Turning Circle</b>	52.5" diameter (133 cm)
<b>Max Payload Weight</b>	150 lbs. (68 kg)
<b>Vertical Reach</b>	77" from floor (195 cm)
<b>Horizontal Reach</b>	62" from front most edge of track (157 cm)
<b>Gripper Force</b>	110 lbs (49.9 kg)
<b>Gripper Rotation</b>	360° (continuous)
<b>Controller Options</b>	Laptop Control Unit Tactical Robot Controller (TRC) UC-LITE (Universal Controller - Lightweight Interoperable Tactical Equipment)

<b>Communications</b>	External IP Radio (Persistent System's MPU5 Radio) Gigabit Ethernet Communications Backbone
<b>Operating Range</b>	Over 2,600 feet (800 m) Line-of-Sight
<b>Cameras</b>	Four
<b>Available I/O Ports</b>	
	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

