TALON® robots

CBRNE/Hazmat Add-On Module for GEN IV

Modular CBRNE (chemical, biological, radiological, nuclear, explosive) kits are now available as an addition to new or existing models of the GEN IV TALON robot.

Tray-Mounted Detection Capabilities

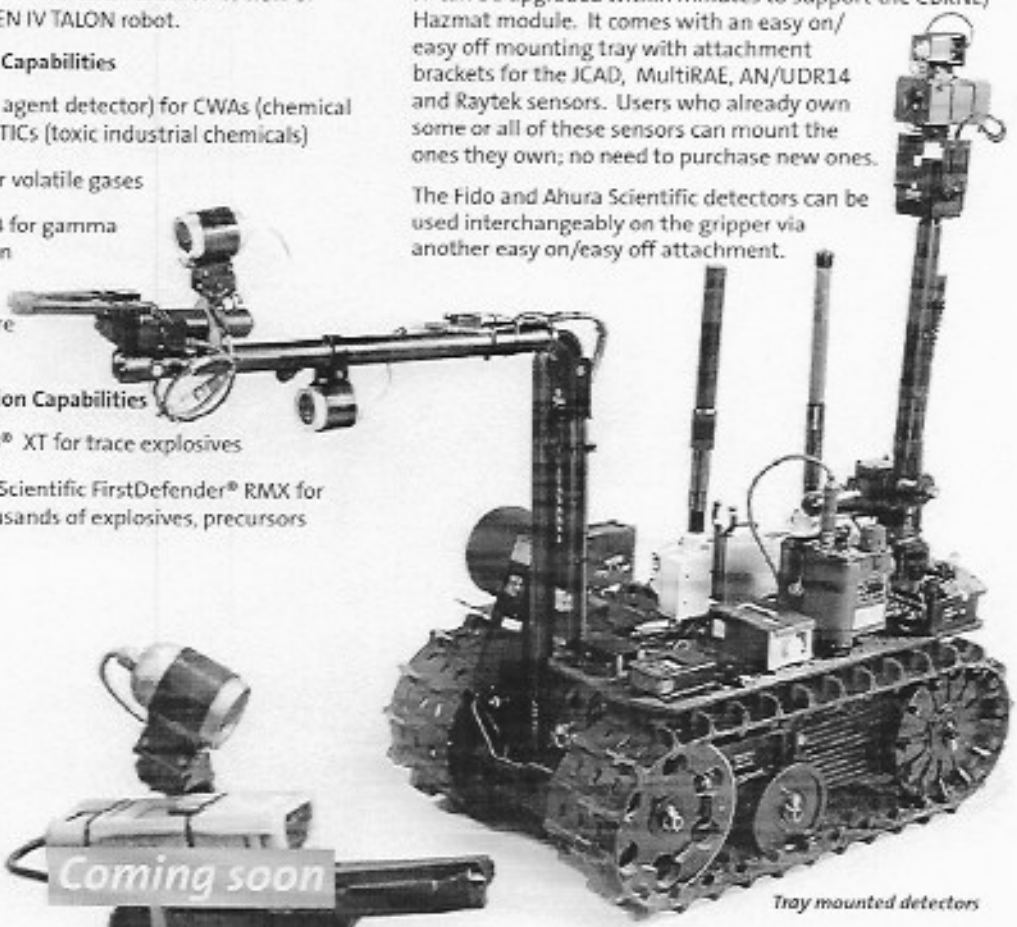
- JCAD (joint chemical agent detector) for CWAs (chemical warfare agents) and TICs (toxic industrial chemicals)
- RAE MultiRAE Plus for volatile gases
- Canberra AN/UDR-14 for gamma and neutron radiation
- Raytek temperature probe for temperature sensing

Gripper-Mounted Detection Capabilities

- ICx Technologies Fido® XT for trace explosives
- Coming soon: Ahura Scientific FirstDefender® RMX for identification of thousands of explosives, precursors and chemicals

In addition to purchasing the system new, any existing TALON IV can be upgraded within minutes to support the CBRNE/Hazmat module. It comes with an easy on/easy off mounting tray with attachment brackets for the JCAD, MultiRAE, AN/UDR14 and Raytek sensors. Users who already own some or all of these sensors can mount the ones they own; no need to purchase new ones.

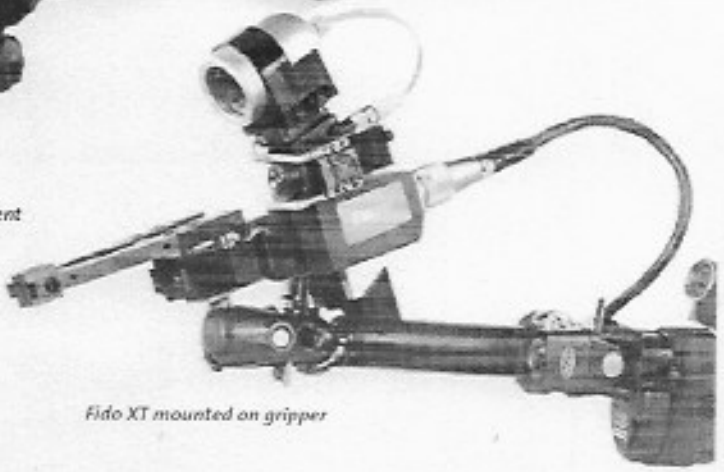
The Fido and Ahura Scientific detectors can be used interchangeably on the gripper via another easy on/easy off attachment.



Tray mounted detectors

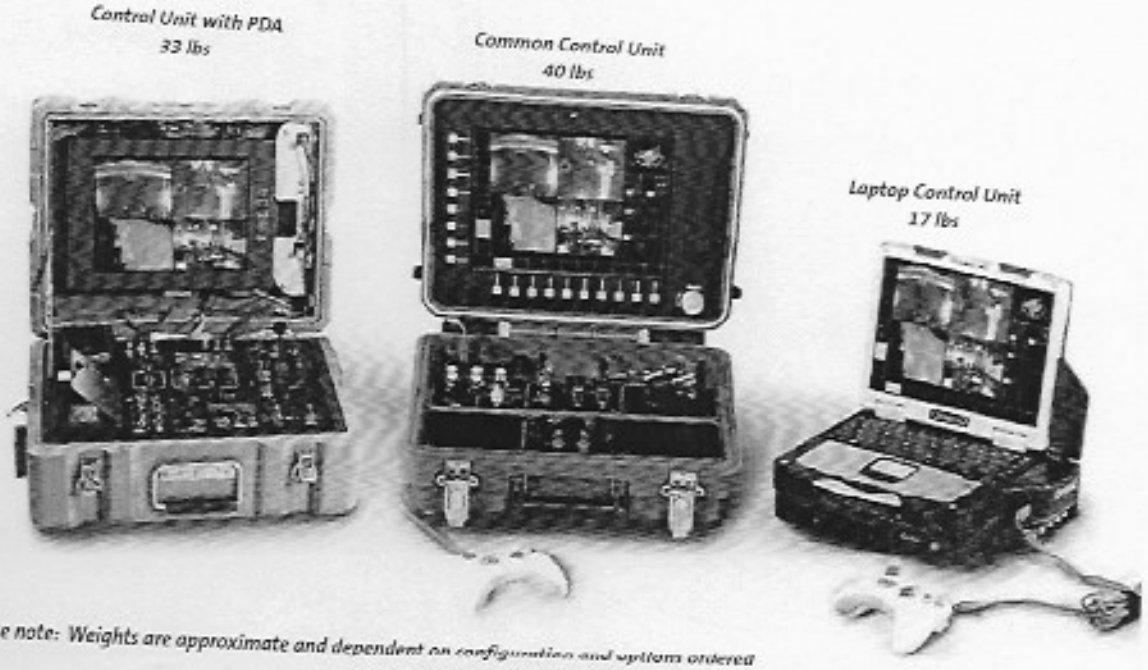


Compatible with Ahura Scientific Raman instrument in development



Fido XT mounted on gripper

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Please note: Weights are approximate and dependent on configuration and options ordered

The robot transmits information from the on-board detectors back to the OCU/CCU/laptop controllers. It provides data from all detectors, sounds audio warnings based on preset threshold levels, and gives visual warnings to the operators.

Data and warnings are displayed on CCU and laptop controller screens; there is no need for the separate PDA. However, the PDA is required when using an earlier version of the TALON OCU.

Purchasing this modular CBRNE/Hazmat capability does not require purchase of a dedicated robot only for CBRNE/Hazmat detection, creating another field-transformable mission configuration where the mission dictates the robot configuration required.

Other field-transformable TALON GEN IV accessories include: loud hailer with siren, shotgun, fire set, x-ray, thermal cameras, disruptors, digging tools, detachable trailer and PSS-14 mine detectors with lane and hazard markers.

For further information, please contact: Joanne Armstrong
at 781-684-3960 or talonsales@foster-miller.com

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