

Argos

For trace detection and
longer-range (>10m) applications

STANDOFF SAVES LIVES

Introducing Argos Handheld Standoff Trace Threat Detection

**Argos is the most sensitive Handheld UV Raman
Threat Chemical Detector yet for bomb squad, military,
law enforcement and commercial applications!**



Capabilities & Benefits

- Stand-off Detection: Stay farther away from potential threats
- Detection: Invisible trace detection of solids and liquids
- One sensor, three modes of operation: Handheld, robot and UAV mounted
- Classification and real-time specific identification of threat chemicals: CWAs, Explosives, Narcotics, TICs and TIMs
- Eye-safe: Can't blind; no eye protection required
- Solar Blind: works in bright sunlight
- Can be integrated with UGVs and UAVs
- Integrated with Common Operating Pictures using TAK/ATAK and ISA



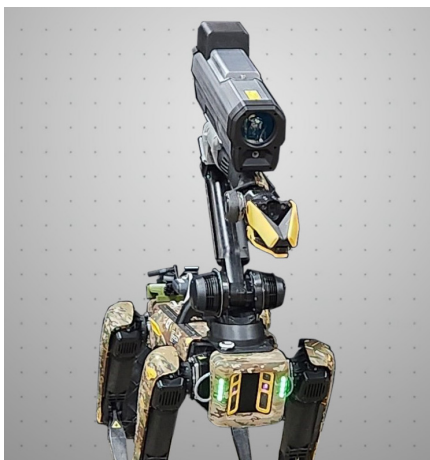
Finalist: TechConnect World 2024 Counter WMD Innovation Challenge

Featured at CBOA 2024, MSPiX 2024, and RDAX 2024.



Argos

One Sensor, three
modes of operation.



Specifications

PHYSICAL

Size	18"x 8"x 4.5"
Weight	7 lbs. without battery (UAV option) 10 lbs. with optional battery & handle

OPERATIONAL

Battery Runtime	~2 hours
Storage Temperature	-33C - +60°C (-27F - 140°F)
Amount of Sample Required	Invisible trace, residues & bulk - contact Alakai for more information

RAMAN SPECIFICATIONS

Detection Range (material dependent)	0.5 - 10m for majority of chemicals (HME's out to 15m)
Detection Time	Programmable, 4 - 60 seconds
Laser Wavelength	UV (can be used covertly)
Spectrometer Resolution	~15cm ⁻¹

MISCELLANEOUS

Imaging Capability	Onboard camera saves image with each data file - Evidence
Alarms	Built-in display and Red/Green LED's
Startup time	<2 min
Data Storage	>100GB

DETECTION LIBRARY

Chemicals	Detects Explosives, Home Made Explosives (HME), Nuclear Weapon Processing Chemicals, CWAs, Narcotics, TICs/TIMs, Hazardous Materials (HAZMAT)
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INTERFACE

Display	Displays additional classification and identification information and allows system configuration
Communications	Ethernet, (WiFi or wired), Bluetooth®, USB