

# SAFR

Situational Awareness For First Responders

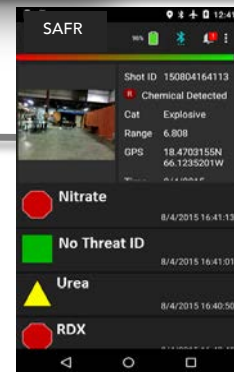
5 METER STANDOFF ID IN ONE HAND

# YOU'RE SAFER WITH SAFR



## Capabilities & Benefits

- Stand-off Detection: Get farther away from toxic chemicals or blast.
- Speed: Detect faster, farther & safer.
- Eye-safe: Can't blind; no eye protection required.
- Exploitation: Classification and real time specific identification; fastest survey and assessment.
- Counter-explosives C-IED/Force Protection: Military, commercial, and homemade explosives (HME).
- Counter-Weapons Of Mass Destruction/CBRNE: nuclear weapon processing, disablement, counter-proliferation.
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- Detection: Solid, liquid, and some gas phase detection.



Android® For Optional  
Remote Monitoring &  
Configuration

**ALAKAI**  
Defense Systems 

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## Specifications

### PHYSICAL

	<b>Size</b>	14"x 5"x 3.5"
	<b>Weight</b>	3.5 lbs. without battery (3 lbs. lightweight UAV option), 5.5 lbs. with optional battery & handle,

### OPERATIONAL

	<b>Battery Runtime</b>	2 hrs.
	<b>Storage Temperature</b>	-33C - +60°C (-27F - 140°F)
	<b>Operating Temperature</b>	0 - 45°C (32 - 113°F)
	<b>Cooling</b>	Air Cooled

### RAMAN SPECIFICATIONS

	<b>Detection Range (material dependent)</b>	0.5-5m
	<b>Detection Time</b>	Programmable, 3-30 secs.
	<b>Laser Wavelength</b>	UV (can be used covertly)
	<b>Spectrometer Resolution</b>	~15cm <sup>-1</sup>

### MISCELLANEOUS

	<b>Imaging Capability</b>	Onboard camera saves image with each data file- Evidence
	<b>Alarms</b>	Red/Green LED's & Android display
	<b>Startup time</b>	<4 min
	<b>Data Storage</b>	>100GB

### DETECTION LIBRARY

	<b>Chemicals</b>	Detects Explosives, Home Made Explosives (HME), Nuclear Weapon Processing Chemicals, Narcotics, TICs/TIMs, Hazardous Materials (HAZMAT)
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### OPTIONAL INTERFACE

	<b>Android phone</b>	Displays additional classification and identification information and allows system configuration
	<b>Communications</b>	Wireless or wired-capable