SAFR

Situational Awareness For First Responders

5 METER STANDOFF ID IN ONE HAND

YOU'RE SAFER WITH SAFR

Capabilities & Benefits

Android® For Optional Remote Monitoring & Configuration

- 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.
- Can be integrated with UGVs and UAVs
- Detection: Solid, liquid, and some gas phase detection.

ALAKAI Defense Systems

SAFR Situational Awareness For First Responders

Specifications

PHYSICAL		
	Size	14”x 5”x 3.5”
	Weight	3.5 lbs. without battery (3 lbs. lightweight UAV option), 5.5 lbs. with optional battery & handle,
OPERATIONAL		
	Battery Runtime	2 hrs.
	Storage Temperature	-33C - +60ºC (-27F - 140ºF)
	Operating Temperature	0 - 45ºC (32 - 113ºF)
	Cooling	Air Cooled
RAMAN SPECIFICATIONS		
	Detection Range (material dependent)	0.5-5m
	Detection Time	Programmable, 3-30 secs.
	Laser Wavelength	UV (can be used covertly)
	Spectrometer Resolution	~15cm^{-1}
MISCELLANEOUS		
	Imaging Capability	Onboard camera saves image with each data file - Evidence
	Alarms	Red/Green LED’s & Android display
	Startup time	<4 min
	Data Storage	>100GB
DETECTION LIBRARY		
	Chemicals	Detects Explosives, Home Made Explosives (HME), Nuclear Weapon Processing Chemicals, Narcotics, TICs/TIMs, Hazardous Materials (HAZMAT)
OPTIONAL INTERFACE		
	Android phone	Displays additional classification and identification information and allows system configuration
	Communications	Wireless or wired-capable

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