

Standalone remote stations are equipped with aerosol detectors, panoramic camera, GPS receiver, wind speed and direction sensor, temperature sensors, infrared sensors, seismic sensors and standard interfaces for additional sensors connection.

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Mobile Multi-sensor Perimeter Monitoring System

PAVLA

The system provides an early warning capability for perimeter monitoring of key military areas or other high value assets against biological aerosol attack.

## PAVLA

analyzes the surrounding atmosphere by collecting aerosol samples and searches for a broad range of biological agent particles

## Features:

- Multiple battery-powered remote stations communicate with central radio station through high-speed wireless data links
- Remote stations use high-gain directional antennas
- Central radio station employs single omnidirectional antenna
- Remote station counts aerosol particles in 2 to 10 micron range
- Remote station includes a panoramic ca-mera offering 360° live view of locality
- Panoramic camera provides high dynamic range and low noise in night scenes
- The camera contains no moving parts
- Built-in anemometer measures wind speed and direction
- The anemometer works without any mo-ving parts
- Two temperature sensors measure both internal and outdoor temperature
- Independent passive infrared and seismic sensors with omni-directional wireless link can be used with each remote station
- Built-in GPS receiver in each remote sta-tion is used to locate it and to display its position within operator's application
- Standalone battery pack allows remote sta-tion operation for approximately 12 hours
- Multiple operator workstations can be con-nected to central radio station
- Operator workstation provides easy to use graphical interface
- Central radio station uses omni-directional antenna for connection to multiple remote stations
- Standalone battery pack allows radio stati-on operation for approximately 24 hours
- Mobile operator workstation in ruggedized case is also available
- Operator workstation offers optional Internet connectivity
- Solar battery charger for charging of battery packs is provided with the whole system







- Military bases