



# SR-BIOSPECTRA

## Short Range Bioaerosol detection

SR-Biospectra is a short-range, remote bioaerosol detector based on LIDAR and LIF technology. It is an eye-safe system for the surveillance and detection of bioaerosol threats at up to 100 meters. Showing high sensitivity (40 ACPLA @ 100 m), SR-Biospectra is suited for indoor, outdoor or semi-enclosed environments. SR-Biospectra was also successfully deployed in a backup capacity during OP Podium at the 2010 Vancouver Olympics. Classification and database tools available.

### APPLICATIONS

- Detection environmental hazards
- Decontamination efforts
- Managing the after effects of a biological attack by providing safe pathways for evacuation
- Protecting key assets and events from attack by enabling permanent monitoring



### KEY SPECIFICATIONS

- Excitation at 355 nm
- Fluorescence detection from 425 nm to 700 nm
- Detection over 32 spectral channels
- Minimum detector range gating interval of 10 m
- Acquires fluorescence signal over duration varying from a fraction of a second to several tenths of seconds depending on targeted sensitivities
- Optical head apart from EO-enclosure
- Smaller visible footprint
- Easy to move
- Less weight on pan/tilt unit
- Allows more flexibility of use
- Laser optical pump is housed in the EO-enclosure and fiber coupled
- Collection telescope is fiber coupled by a fiber bundle to the spectrometer