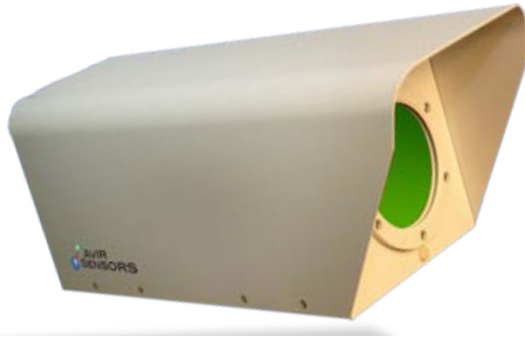


ChemSight® Group



We are interested in the development of open path and remote sensors of toxic and airborne chemicals for the protection of facilities and personnel. The open path sensor was commercialized by Avir Sensors. It is now installed in several high visibility trial installations worldwide (US Department of State, Department of Homeland Security, a major US subway system, UK, Israel, Taiwan, and Korea).

Optical Detectors

Our group is currently performing research on optical detectors for compact systems for passive remote sensing of chemical effluents. We are specifically interested in passive, very low cost, lightweight, remote detection of chemicals for expendable unmanned air vehicles. Previous missions have been launched from NASA Wallops Island on an Orion single stage sounding rocket. Future experiments are planned to include a video camera and five photodiodes for ocean chlorophyll measurements as well as a gas filter correlation radiometer for measurement of methane in the stratosphere.

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“Developing the next generation of detectors for toxic chemicals.”

