

The Technology to Detect & Innovations for Change



ChemImage
Sensor Systems

ChemImage Sensor Systems (CISS™) develops innovative chemical imaging technology for proximity, remote and standoff threat detection, in order to address the ever growing need for a rapid, low cost, defense and security solution.



Advanced Detection Capabilities

Through the use of our advanced algorithms, chemometric techniques and sensor fusion approach, we leverage years of experience in orthogonal sensor integration which results in some of the world's most advanced chemical imaging technology for the detection of:

- Chemical Threats
- Biological Threats
- Explosive Materials
- Illicit Drug Substances



Operator Safety First Approach

Conventional means of detecting and identifying threat materials of interest require the use of reagents and/or physical sampling, a time consuming, costly and dangerous process as users must often be near the target of interest. CISS keeps the user's safety in mind by developing technology for the detection of threat materials of interest that is:

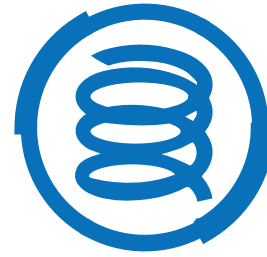
- Laserless
- Non-Contact
- Passive
- Reagentless



A Wide Array of Configurations

As new threats develop, technology must adapt to address these issues. CISS develops systems for a wide array of configurations for proximity, remote and standoff detection and identification of materials of interest, including:

- Entry Control
- Handheld
- Robot Mounted
- Vehicle Mounted



Flexible Imaging Applications

- The ability to identify multiple threat materials of interest in a non-contact, non-destructive manner
- Advanced algorithms and sensor fusion concepts provide a high probability of detection and low false alarm rate
- Various configuration options including fixed site or on-the-move, handheld, mounted to a military vehicle or robot platform
- Performance specifications based on government managed validation studies and/or consensus standards
- The ability to build your own comprehensive signature library for discrimination of hoaxes and threats



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