

**Technology Title: Tunable Detection System – Hyper Spectral Imaging**

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**TRL/MRL:** 2

**ABSTRACT**

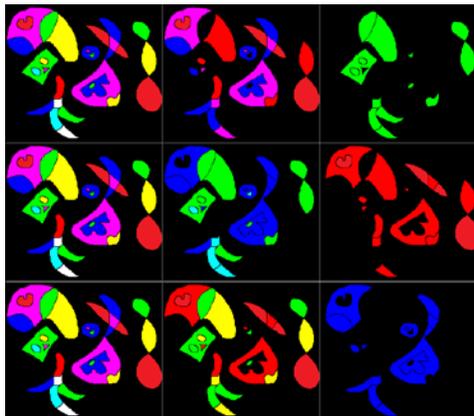
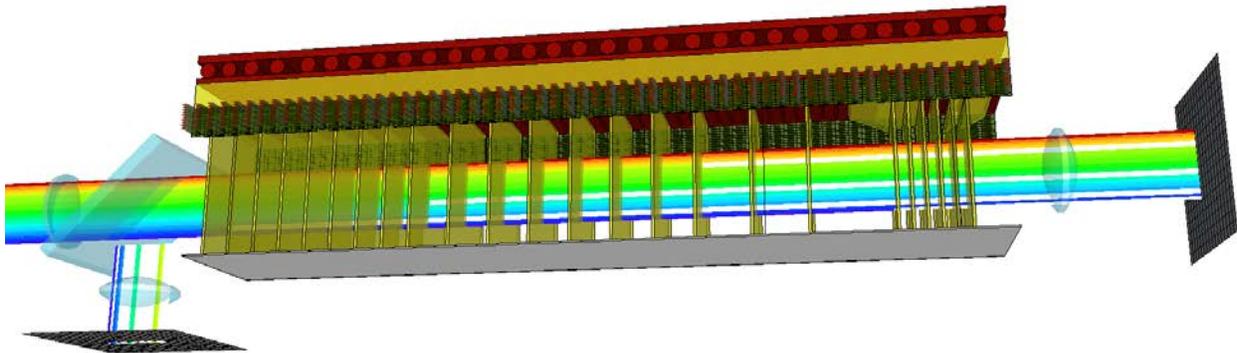
**Keywords:** Detection system, homeland security, agriculture, medical diagnosis, hyper-spectral, sampling, chemical

The **Tunable Detection System** can perform high-speed, broadband spectrometry with multi-chromatic image results. The selectivity of the system, covering from IR through X-Ray, offers the potential to enhance many types of current screening and detection systems. Potential commercial markets include: Baggage/Cargo Screening, chemical/biological agent detection, material analysis,

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**THUMBNAIL**

Tunable Detection System can perform high-speed, broadband spectrometry with multi-chromatic image results.



Left (Original Image); Center (Transmitted Image); Right (Reflected Image)