

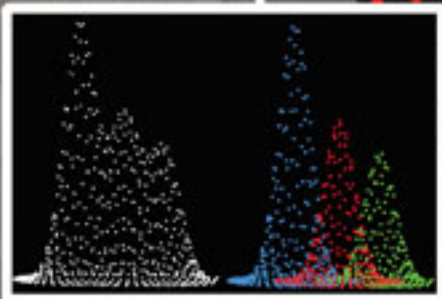
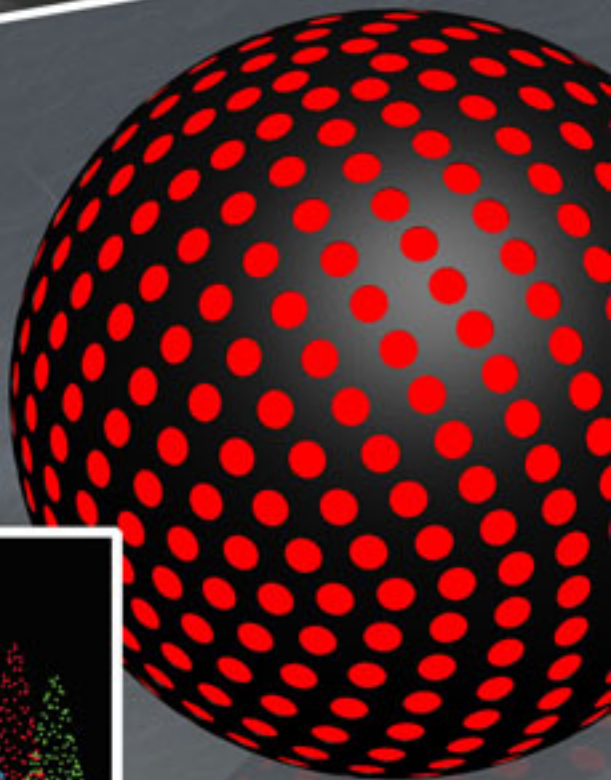


Lucid Dimensions, Inc. is an early-stage company offering revolutionary infrared detection and tracking technologies for Defense and Homeland Security applications. Founded in 2002 and based in Louisville, CO, the company focuses on the development of its patented Spherical Detection Systems (SDS). The SDS provides high-speed, wide-area, multi-target infrared detection and tracking. "Sensing in Every Direction," the SDS technology offers new and empowering tools for securing our borders, ports, troops, and critical infrastructure. The SDS sets the new standard of innovation for the future of U.S. Defense and Homeland Security technologies.

Spherical Detection Systems

Lucid Dimensions' Spherical Detection Systems (SDS) offer distinct advantages over contemporary imaging systems, significantly enhancing 3D situational awareness. The SDS continuously scans a wide area for threats using a spherical array of single element high-speed IR sensors. The SDS senses targets in all directions rather than using a limited FOV digital video camera. The SDS detects threats, and then calculates the real-time angular position and trajectories. The data

output can then be used to accurately point PTZ cameras at the prioritized target for clear, focused imaging. The system can track multiple targets simultaneously and prioritize targets based on signal strength and trajectories.



FEATURES

- High-speed sampling
- Omni-directional Situational Awareness
- Multi-target, 3D detection and tracking
- Low bandwidth communications
- Passive device- no moving parts or emitters
- Data output includes angular direction, size, shape and trajectory

APPLICATIONS

- Border and Maritime Security
- Perimeter and Infrastructure Security
- Weapons-fire Detection and Tracking
- Unmanned Robotic Systems
- Search and Rescue

OPTIONS

- Wide range of IR sensors
- Long range optics
- PTZ Integration Software
- Custom Hardware Configurations
- RS 422/232, Ethernet, ARINC-429