

Combining Real-Time Video With A 3D Common Display



The need for advanced security methods is growing exponentially, making intelligent security a vital capability for many commercial applications and industries. Sarnoff's TerraSight™ intelligent surveillance solutions meet this critical need by providing sophisticated capabilities such as sensor control, data storage, vision processing and immersive 3D visualization. These hardware and software solutions also offer automated alerting and tracking capabilities—allowing users to follow items of interest across large areas in a safe and precise way. With TerraSight, users gain the ability to quickly monitor multiple sensors in one common 3D display—enabling them to understand their environment and make informed, real-time decisions when it matters most.



Intelligent security capabilities that safeguard critical facilities

Capabilities

- » Full control of pan/tilt/zoom and fixed position visible to infrared cameras including point-and-click via 3D models
- » Interactive 3D visualization in one common display
- » Real-time generation of position for rapid response to threats
- » High-resolution models over terrain with sensor video overlay
- » Scalable hardware and software for integration of single or multiple sensors
- » Flexible hardware solutions from multi-computer workstations to laptops
- » Easy integration with existing infrastructures
- » Digital video and metadata recording and replay for forensic reconstruction
 - Query by time and location
- » Moving target indication
 - Hand-off image tracking from camera to camera
 - Change detection
 - Automated notification



Persistent Surveillance Applications

- » Port security
- » Border patrol
- » Perimeter security
- » Critical facility surveillance