

TerraSight™ Standard Ground Station (SGS)

Air/Ground Surveillance, Exploitation and Targeting

Sponsored by the US Army, in coordination with the USAF Digital Video Lab (DVL) at Eglin AFB, Sarnoff Corporation has developed the Standard Ground Station (SGS). SGS is built on Sarnoff's TerraSight software for sensor control, data storage, vision processing and 3D visualization. TerraSight enables an increase in mission capability by providing situational understanding—allowing operators and mission commanders to quickly monitor multiple sensors, understand and execute within the tactical environment. TerraSight can enable real-time decision-making from surveillance and early warning air and ground sensors.

Features

- Full control of RAID, PTZ, and CCTV EO/IR sensors including click-and-go via 3D models
- 3D visualization of common operating picture (COP)
- Real-time generation of coordinates for targeting
- High-resolution models over terrain with sensor video draping
- MIL-STD-2525 symbology and operator annotation overlays
- Interface and display of remote radar moving target sensors

Combining Real-Time Video With In-Context Sensor Control in a 3D Common Operating Picture

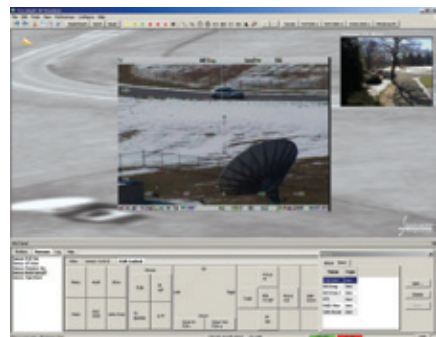
- Interface and display of Battle Command information (FBCB2-BFT, AFATDS, PASS, DCGS-A)
- Digital video and metadata recording and replay for forensic reconstruction; query by time and location
- Video and metadata dissemination via IP to Remote Ground Station (RGS)
- Cursor-on-Target (CoT) and Spot report messaging
- UAV EO/IR video ingest displayed in real time over 3D terrain
- Scalable hardware/software for single or multiple sensors
- Rapidly deployable rugged transit case
- Interface with CERBERUS, CRAM, AMDWS, TASS



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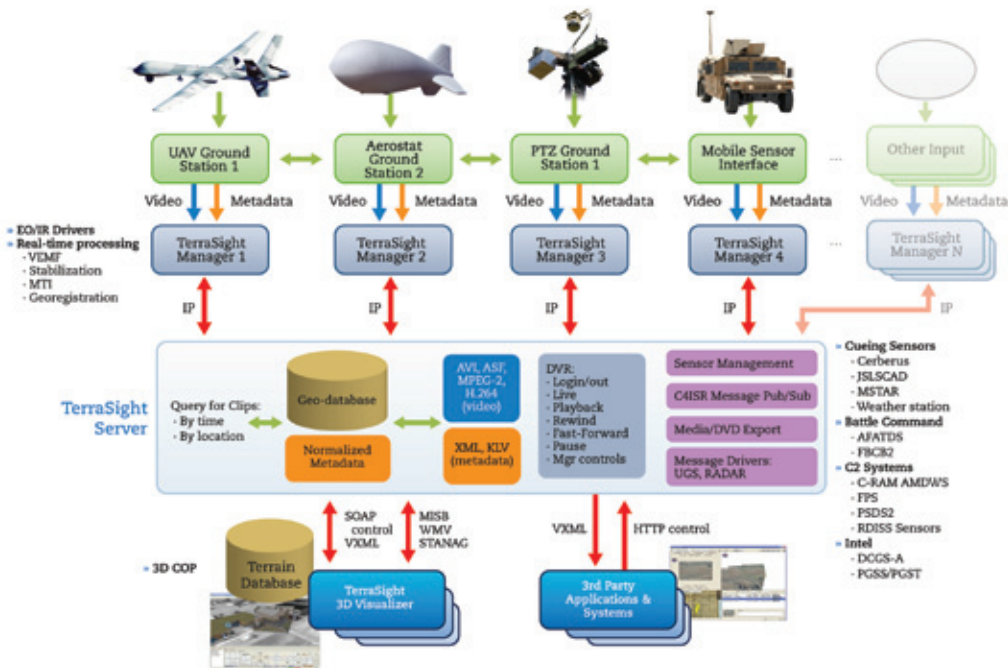


Star SAFIRE® III



TerraSight 3D Visualizer

System Interfacing



SRI International

Silicon Valley-based SRI International, a nonprofit research and development organization, performs sponsored R&D for governments, businesses, and foundations. SRI brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures. Commemorating its 65th anniversary in 2011, SRI is known for world-changing innovations in computing, health and pharmaceuticals, chemistry and materials, sensing, energy, education, national defense, and more. SRI Sarnoff is well known for its broadcasting, vision, and semiconductor innovations.

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