TerraSight® EX Tactical Video Exploitation

The TerraSight® EX system maximizes clarity, context and precision in video from unmanned aerial systems (UAS) and other airborne systems supporting the intelligence, surveillance and reconnaissance (ISR) mission. Instead of ambiguous, imprecise images, expeditionary teams can generate near-real-time, integrated tactical information.

The portable TerraSight EX laptop brings advanced video exploitation to the forward operator. Legacy systems display separate windows for video and maps. The TerraSight EX system corrects missing metadata and stabilizes, mosaics and geo-registers video over a 3D map. Operators get a single, integrated display for ultimate situational awareness.

Features include an embedded virtual electronic light table for generating real-time, accurate target coordinates. Tactical ground teams can simultaneously cross-cue sensors and inform Fires and higher echelons of target locations. Precision means earlier threat warning and more time to anticipate and respond.

A subset of the proven TerraSight® system, the TerraSight EX platform is hosted on a Windows® laptop. The U.S. Army has a service-wide TerraSight software license that extends to SOCOM.

Receive accurate information from UAS video as it is captured

Applications
- Tactical operations and situational awareness
- Sensor cross-cueing
- Expeditionary force protection
- Forward target acquisition
- Search and rescue
- Anti-access/area denial (A2/AD) environments
## Specifications

**System Requirements**
- Quad-core processor
- OS: Windows® XP, Windows® 7
- RAM: 1 GB minimum
- 1 GB Graphics RAM - OpenGL® version 1.5

**Supported Platforms and Interfaces**
- MISB, H.264, KLV 0601.3, ingest and re-stream
- STANAG 4609
- OSRVT
- Predator, Aerosonde, Shadow, TigerShark, Scan Eagle, Raven, Maveric, Puma, PTDS, PGSS/PGST

**Message Formats**
- CoT

**Export Formats**
- NITF, STANAG, GeoTiff, BMP, JPEG

**Recording / DVR / Playback**
- ASF / AVI video / MISB (future)
- XML metadata
- Date / time and geographic searches

**Imagery / Elevation / Map and Model**
- CIB, DTED, CADRG, DPPDB, Buckeye, JOGA, TPC, ONC, TLM, TIFF, NITF
- MrSID, JPEG, PNG, WMS

**Multilayer Support**
- 30 fps (NTSC), 25 fps (PAL)

**H.264 Compression**
- Terrain, site models, MIL-STD-2525C symbology,
  ESRI ShapeFiles

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Greater situational awareness:
Precise geo-registration puts live UAS video
in context on a terrain-aware 3D map

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