

# ACTS

## (Advanced Correlation & Tracking System)

REAL-TIME MULTI-SENSOR FUSION AND CORRELATION FOR A SINGLE INTEGRATED PICTURE.

ACTS™ pulls in data from fixed and mobile sensors, fuses it in real time and outputs a clean, unified tactical picture. Its open architecture makes sensor integration straightforward, while the built-in data link processor handles reception, forwarding and display.

Configuration is simple through a standard web browser with an intuitive UI and embedded help. For tougher environments, an optional fusion engine (Multiple Hypothesis Tracking with MultiFrame Assignment) tightens continuity and reduces dual tracks for higher confidence.



### REAL-TIME SIP

Builds a Single Integrated Picture across diverse sensors for clear situational awareness.



### SENSOR CORRELATION

Integrates radar, surveillance and tracking data into a single integrated picture that's accurate and fast.



### EASY TO USE

Configure via any standard web browser with intuitive workflows and built-in help.



### SCALES TO MISSION

Available in lite, mobile, regional, theater and global models that match sensor counts and deployment needs.

# SYSTEM SPECIFICATIONS

Flexible solutions scaled to mission requirements

## INPUT SUPPORT

- COMMON DATA FORMAT
- All ARSR radar types
  - (ARSR-1D, 1E, 2, 3, 4 etc.)
  - ASTERIX
  - ASR-7, 8, 9 and 11
  - CD1
  - CD2/CD2A
  - CD2C/CD2T
  - ECGP
  - NATS/ATS/RES
  - SDO/MARI/3
  - SGF/SRR/RBD
  - 9-bit digital format

- SPECIFIC SENSORS
- AN/TPN-31 ATNAVICS
  - AN/TPS-59/63
  - AN/TPS-70/73/75
  - AR327
  - GIRAFFE
  - LSTAR
  - Sensis multilateration system
  - WATCHMAN

- OTHER TYPES
- Sensis SIU
  - Sunhillo SGU
  - Customized inputs available

## OUTPUT SUPPORT

- DISPLAYS
- TacViewC2 software
  - ASTERIX
  - Air Defense Systems
  - Integrator ADSI® compatible
  - Google Earth (KML)

## HARDWARE REQUIREMENTS

- THE ACTS SOFTWARE RUNS ON COTS HARDWARE CONSISTING OF :
- Quad core system(s) with 16 GB of RAM
  - Red Hat Enterprise Linux operating system
  - Standard 19" rack-mountable hardware (rugged hardware variants available)

## ACTS FAMILY OF PRODUCTS

- Rugged rack-mount hardware available
- Ballistic object tracking can be added to ACTS Regional, Theater and Global product offering

The ACTS product is accessible from any system that can run a standard Web browser. Operators can use ACTS software stand-alone or from within the TacViewC2™ interface: Ultra's mission-oriented real-time tactical display.

Intuitive scenario recording, playback, and track filtering with real-time sensor status monitoring and plot data visualization.

PRODUCT	SENSOR CAPACITY	SERVER RACK SPACE REQUIRED
ACTS MOBILE	4	1U*
ACTS REGIONAL	15	1U
ACTS THEATER	30	2U
ACTS GLOBAL	31+	3U+

*\*Also available on the Range Guardian, a portable 3U CompactPCI® computer  
ACTS is available for international customers.*