

# ONE SYSTEM<sup>®</sup> REMOTE VIDEO TERMINAL

TEXTRON Systems



## Delivering real-time surveillance and situational awareness directly to the warfighter

AAI's One System Remote Video Terminal (OSRVT) is an innovative, modular video and data system that enables warfighters to remotely downlink streaming video, images and critical geospatial data from a variety of sources. It is interoperable with joint operations tactical unmanned aircraft (such as AAI's Shadow<sup>®</sup>, the Northrop Grumman Hunter, AeroVironment's Raven<sup>®</sup>, and General Atomics' Predator<sup>®</sup> and Gray Eagle<sup>™</sup> aircraft), as well as from manned aircraft (including Boeing's Apache<sup>®</sup> and Bell Helicopter's Kiowa Warrior helicopters) and Northrop Grumman's Litening<sup>™</sup> pod platform.



# REAL-TIME SITUATIONAL AWARENESS ACROSS THE BATTLESPACE

AAI's OSRVT is a proven surveillance resource for reliable, real-time situational understanding. The OSRVT operates from a small, ruggedized computer and can be installed on any Microsoft Windows® operating system for ease of use. In addition, its modular hardware design can be configured easily for manpack, mounted, stationary, airborne and maritime applications.

Antenna



One System Remote Video Terminal

Additional features include:

- Available data decoding for greater geospatial intelligence
- Annotated maps that give ground troops an instant, comprehensive operational picture
- Intuitive presentation including a real-time video window and annotated map window
- Keyboard-free operation using a touch screen, touch pad, mouse or trackball
- FalconView™ maps for seamless export of target data
- JPEG image file creation for display in FalconView or any standard Windows image viewer
- Motion Imagery Standards Board, or MISB, compliant



Ground Control Station

## OSRVT Interoperability

### L-Band

Raven (analog/digital)  
Wasp  
Puma  
T-Hawk® gMAV<sup>1</sup> (analog/digital)

### S-Band

ScanEagle® (analog)

### C-Band Analog

Shadow  
Hunter  
Predator (video only)  
Litening Pod (video only)  
Aerosonde® Mark 4.7  
Gray Eagle (video only)

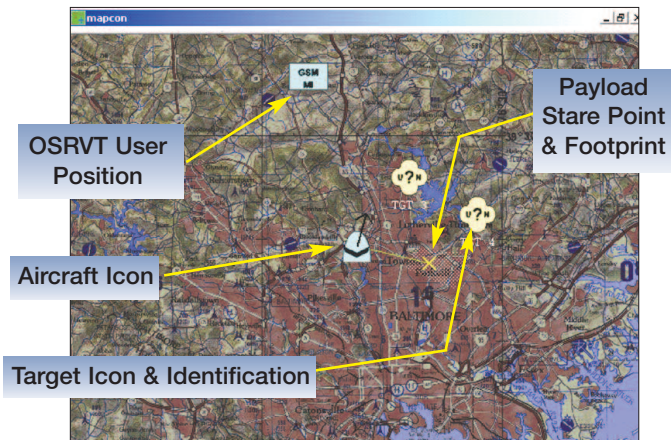
### C-Band Digital

Warrior A  
Predator (with AV software)  
Litening Pod (video only)

### Ku-Band

Kiowa Warrior L2MUM<sup>2</sup>  
Apache VUIT®<sup>3</sup>  
PTDS<sup>4</sup>  
Gray Eagle TCDL<sup>5</sup>  
U.S. Navy Fire Scout®  
MAARS®<sup>6</sup>  
Desert Owl  
Sniper Pod (video only)  
Litening Pod (video only)  
Shadow TCDL  
Hunter TCDL

AAI's OSRVT gives dismantled troops all the benefits of full-motion video and telemetry from the aircraft's payload, just as it can be seen from the ground control station. The portable hardware and software system includes antennas, a multiband receiver and a ruggedized computer.



The OSRVT's intuitive graphical user interface includes live video and annotated map views.

1 gasoline Micro Air Vehicle  
2 Level 2 Manned/Unmanned  
3 Video from Unmanned Aircraft Systems for Interoperability Teaming  
4 Persistent Threat Detection System  
5 Tactical Common Data Link  
6 Modular Advanced Armed Robotic System

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