

VAMPIRE®

Visualization and Mission-Planning Integrated Rehearsal Environment



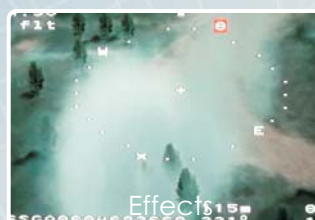
The VAMPIRE Advantage

- Fully emulates ALL operator functions for AV's Small UAS (Wasp, Raven, and Puma).
- Requires NO additional hardware: VAMPIRE® runs on fielded Panasonic™ Toughbook and Ground Control Station -- Train as you fight...Anywhere, Anytime.
- Integrated and correlated with FalconView™ software to allow mission planning and rehearsal.
- Tailorable tactical scenarios with scripted, Moving 3D human and vehicle models, urban areas, special effects - as the enemy adapts so can your training.
- Geo-Specific terrain for any area of interest.
- High-fidelity, Game-quality Graphics.



ADDITIONAL FEATURES

- Ability for Instructor to Insert Malfunctions
 - Battery failures
 - Link Faults
 - RF Propagation Issues
 - Small Arms Fire
 - Sensor Failures
 - Structural Failures
- Advanced Mission Planner Integration with FalconView™
 - Add Triggers and Advanced Interaction with Entities
 - Create New Scenarios
 - Edit and Modify Scenarios
 - Script 3D Moving Models, Vehicles, Dismounts and Static Models
- Composite Vignettes To Support Large Extended Scenarios*
 - Ability to Turn on Random Scenario Events
 - Dismounts
 - Entities
 - IED Placements
 - Malfunctions Activated
 - OP Orders
 - Defined for Mission
 - Display in Overlay Prior to Mission Start
 - Can Change As Required to Meet Mission Goals



- Game Play for Instructional Engagement*
 - Time Based Variables to Help Focus Objectives
 - Objectives are Clearly Defined at the Beginning of Each Session
 - Points are Awarded or Deducted for Specific Events
 - Capturing Pictures of Specific Locations*
 - Call for Fire Events or Coordination with Instructor*
 - Time Based Scenarios are Triggered Based on Positional/Situational Awareness
 - Scoring Based on Overall Performance



* Under development