

# VAMPIRE

Visualization and Mission-Planning Integrated Rehearsal Environment



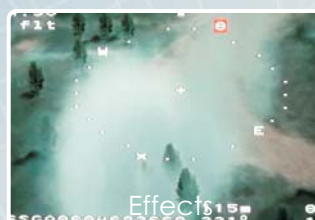
## The VAMPIRE Advantage

- Fully emulates ALL operator functions for Family-of-Systems SUAS (Raven, Wasp, 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