

# CymLITE-FPV

## Integrated FPV Training Module

Now part of the CymLITE-MCS  
Training Ecosystem



## Mission-Level FPV Training, Built on Proven Simulation



CymLITE-FPV expands the CymLITE-MCS family by introducing a First-Person View (FPV) unmanned aircraft **training capability** built on the same powerful Mission Combat Simulator® (MCS) engine, which is designed by Mission Systems, S.A. and distributed in the United States by CymSTAR. Unlike stand-alone drone simulators, CymLITE-FPV allows operators to train in a networked, multi-domain combat environment that reflects real-world mission complexity.

This advanced capability supports **sUAS operator training, drone-based ISR, kinetic engagements, and swarm tactics**—all within the larger context of mission rehearsal and joint-force integration.

## Why CymLITE-FPV is Different

While many commercial drone simulators focus narrowly on flight mechanics, CymLITE-FPV brings FPV drone operations into a military-grade simulation framework. Operators gain advantages such as:

- **MCS-Based Realism:** High-fidelity terrain, urban clutter, and weather conditions.
- **Mission Planning Tools:** Incorporate drones into larger tactical or operational scenarios.
- **Networked Simulation:** Train as a team using DIS protocol with other CymLITE-MCS systems.
- **Full Integration:** Synchronizes with manned aircraft, ground vehicles, and command-and-control entities in a shared virtual battlespace.
- **Scalability:** Designed to support new drone models, control devices, and tactical profiles.

## Unified under the CymLITE-MCS Architecture

CymLITE-FPV shares the same software backbone as CymLITE-MCS, providing seamless interoperability between manned and unmanned systems. This enables:

- **Joint Mission Rehearsal** across air, ground, and naval forces
- **After-Action Review (AAR)** of integrated manned/unmanned scenarios
- **Custom Terrain & Environment** Support through existing MCS development kits
- **Shared AI-Driven Combat Units** for dynamic threat generation and learning

Whether deployed in a fixed facility or a forward environment, CymLITE-FPV brings the power of mission combat simulation to the rapidly expanding domain of unmanned systems.



## Applications of CymLITE-FPV

- FPV Drone Operator Familiarization and Qualification
- Tactical ISR in Urban and Contested Environments
- Loitering Munition and Swarm Mission Rehearsal
- Electronic Warfare / GPS-Denied Scenario Training
- Airspace Deconfliction and Multi-Asset Coordination
- JTAC/JFO-Integrated Combined Arms Exercises

## Available Configurations

As part of the CymLITE ecosystem, CymLITE-FPV can be delivered in the following configurations:

- Desktop and Deployable Trainers
- Virtual Reality / Mixed Reality Interfaces
- Integrated in Multi-Simulator Environments
- DIS-Compatible for Live-Virtual-Constructive (LVC) Training

## Positioned for Growth

CymSTAR is developing additional drone models, operator interfaces, and mission modules to expand CymLITE-FPV capabilities further. As part of the broader CymLITE-MCS platform, this module ensures training relevance today—for tomorrow's mission needs.