



VIRTUAL SYSTEM TRAINING PLATFORM

FLIRSIM™



FLIRSIM is a portable, rapidly deployed, all-inclusive system-level training tool that provides the functional equivalency of an FAA Advanced Aircrew Training Device (AATD) for FLIR Star SAFIRE 380 family of sensors.

Developed by industry-leading simulation expert, MAG Aerospace, FLIRSIM can replicate any real-world scenario [on demand] to enhance safety, mission effectiveness, and provide a tactical advantage during real-world missions. This low-cost simulation solution has robust functionality and features that replicate users' hand controllers, increasing operator proficiency.

Deployment of the FLIRSIM provides significant cost savings by dramatically reducing aircraft operating expenses associated with dedicated training flights. FLIRSIM is the ideal training device for procedural and operational performance tasks specific to customer platforms and mission profiles. Because FLIRSIM uses the same hand controller, operators form muscle memory on the aircraft system.

Based on the 380 series actual technical specifications, the FLIRSIM provides accurate systems modeling to ensure maximum training fidelity. The FLIRSIM can be provided as part of an all-inclusive FLIR training course or deployed within customer fleets to ensure consistency in training events. The system interfaces directly with either a FLIR supplied HCU (Hand Control Unit) or can interface with the customer's HCU.

FEATURES

ACTUAL FLIR HAND CONTROLLER

FLIRSIM uses the same FLIR hand controller as those found in vessels and aircraft so operators form muscle memory on the true button layout.

TRANSPORTABLE & EASY TO USE

Complete system is self-contained in rugged case and can be easily set up anywhere, and transported as carry-on luggage.

DYNAMIC SCENARIO GENERATION

Plan and implement scenarios in a variety of environments and weather conditions to mentally prepare operators for similar real-world conditions.

SAFE AND COST-EFFECTIVE

Operators can experience situations in all different weather and ambient conditions without ever stepping foot outside of a classroom or training area. This increases safety and saves cost on fuel and maintenance budgets.

FLIR CERTIFIED SYSTEMS MODELING

Accurate representation of user interface, gimbal dynamics and uses identical controller from aircraft or vessel, which can be interchanged.

IMPROVES MISSION OUTCOMES

Increase sensor platform ROI and mission outcomes by ensuring that sensor operators are utilizing best practices with the highest level of proficiency.

APPLICATIONS

TRAINING

EDUCATION

MILITARY

LAW ENFORCEMENT

SPECIFICATIONS

Feature	Specification
Turreted Sensors	Supports the Star SAFIRE 380-HD, 380-HDc, 380-HLD
Payloads Simulated	Full simulations of HD Electro Optical Infrared (EO/IR), Short Wave Infrared (SWIR), HD Low Light (HDLL), Laser Range Finder (LRF), Laser Pointer (LP), and Laser Designator (LD)
Virtual environment	<p>Simulated virtual environment complete with roads, vehicles, persons, and buildings. Simulation can replicate:</p> <ul style="list-style-type: none"> • Desert landscapes • Jungle • Plains • Mountainous terrain • Water – oceans/rivers • Rain • Snow • Fog • Day/Night <p>Over 18,000 accurate models of military and civilian aircraft, ships, vehicles, weapons, and characters, FLIRSIM reduces development and deployment costs associated with deploying training solutions</p>
Interface	FLIRSIM includes all hardware required to interface the FLIR Hand Controller with the FLIRSIM training device
System	Includes dedicated laptop with pre-loaded software, UHCU controller interface cable, custom hard case for transportation, and manuals. System requires customer to provide UHCU from aircraft or dedicated UHCU can be purchased to be utilized
License	Licensed for non-commercial use by unlimited number of users.
Physical	Laptop, cable, and UHCU – 11"x16x1½" <14 pounds Shipping Case – 20"x32"x12" – total 41 pounds
Electrical	~110 – 240V 100W



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