

FLIRSIM™

Virtual system training platform

APPLICATIONS

TRAINING

EDUCATION

MILITARY

LAW ENFORCEMENT



FLIRSIM is a portable, easy to set up and use, all-inclusive system-level training device that provides the functional equivalency of an FAA FTD level 6 simulator for Star SAFIRE 380 family sensor operators.

Developed by industry-leading simulation expert, MAG Aerospace, FLIRSIM replicates any real-world scenario or environment on demand to improve safety on live missions. Time spent using the FLIRSIM enhances operator mission effectiveness and accomplishment. FLIRSIM delivers direct operational cost savings normally incurred during training.

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 Teledyne FLIR training course or deployed within customer fleets to ensure consistency in training events. The system interfaces directly with either a Teledyne FLIR supplied HCU (Hand Control Unit) or can interface with the customer's HCU.

FEATURES

ACTUAL TELEDYNE FLIR HAND CONTROLLER

FLIRSIM uses the same Teledyne 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.

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/ivers • 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 Teledyne 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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