



Sole Source

For L3Harris Patrol Driving Simulator
Prepared for Herndon Career Center
11501 E. 350 Hwy
Raytown, MO 64138
September 20, 2023

Dear Angeliec Huth,

This letter is to inform Herndon Career Center that L3Harris is the sole provider and Original Equipment Manufacturer (OEM) of the Patrol Driving simulator. The L3Harris Patrol driving simulator has unique capabilities and features not found in other driving simulators. The L3Harris Patrol Simulator is the only simulator that features ***all the following capabilities:***

- Manufactured: United States.
- LCD Glass Dash: virtual dashboard that mimics selected vehicles.
- Three Degrees of Freedom (3DoF) Motion Platform: Full-motion platform that **utilizes DBox technology**. Is fully **detachable from VDU**.
- Interchangeable Seat Base: interchangeable motion platforms allow you to switch seat base and train fire, EMS, municipal, busing, or trucking without changing VDUs.
- Visual Engine: Advanced Unreal Engine graphics (Unreal Engine 5.2), with industry-best realism and detail
- Field of View: 360-degree immersive visual system (180-degrees forward + rear-view mirrors, virtual pan, and optional over-the shoulder view), presented on 4K Ultra High-Definition displays
- Student Glass dash: Allows instructor or student to pick scenarios or vehicles directly from simulator, without using the instructor station.
- Overhead Shroud: Blocks out external lighting to reduce SAS and provide realistic in-cab experience.
- Camera and Replay: Features camera to watch student from instructor station. Scenarios can be replayed.
- Steering Wheel: Ford Interceptor
- Modular Design: Allows for individual parts to be removed for repairs, reducing downtimes. Also allows for multiple units to be run by a single Instructor station.
- DUI Setting: Allows driver to simulate driving under the influence.
- MDC: Allows instructor to act as a dispatcher and send an MDC message from the IOS to student screen on simulator.
- Scenarios: >200 included pedagogically rigorous scenarios
- Scenario Builder Software: Create or recreate scenarios with our proprietary scenario builder software.
- L3 Harris Pursuit Course: Includes 8 scenarios, PowerPoint and instructor notes.
- Instructor Vehicle Interface: Allows instructor to control other vehicles in scenario to interact with student driver.
- Sponsored: by ALERT. Partnership with National Law Enforcement Officers Memorial Fund.

Best wishes,

Monty Davis

Sr. Specialist/Account Manager

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