

AVIATION TRAINING SYSTEMS



Fielded to NTC, JRTC, JMRC

For the UH-72A Lakota Light Utility Helicopter, LUH-TESS provides dual capabilities for the aircraft to perform as an Observer/Controller (O/C) and Opposing Force (OPFOR) at U.S. Army Combat Training Centers (CTCS) and Aviation Home Stations.

The LUH Offensive Weapons Capability provides target acquisition and simulated offensive weapons capabilities. Weapons are simulated with a MILES compliant Laser to provide Force-on-Force (FoF) and Force-on-Target (FoT) training engagements and emulate a threat helicopter. Platform integrated components include the Articulating Sensor Package (ASP), Weapons Processor, Hand Controller and two new cockpit displays.

AVIATION MILES DETECTOR PLATE (AMDP)

The AMDP provides detection of 904nm MILES Laser engagements.

Four to six assemblies per platform are installed to detect, identify and characterize MILES coded weapon engagements.

The AMDP has a viewing window of 120°, 60° off the center line spherically.

It is designed with a Built-In Test (BIT) capability and reports BIT status to the SMODIM.



AMDP

AMDPs are installed and connected to the aircraft Laser Warning System

when the aircraft does not have the AN/AVR-2B Laser Detector Set installed.

AMDP's are installed in the same locations as the AN/AVR-2B.

A stand alone, platform agnostic, wired detector that can support a broad range of applications



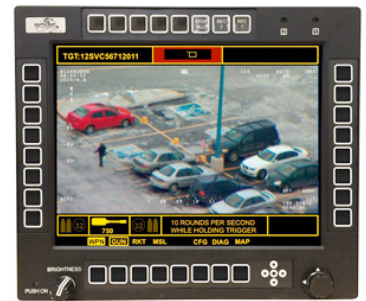
The Aircraft Kill Indicator (AKI) provides a visual indication of player status. The AKI is a hermetically sealed, high-intensity strobe light that transmits standard "Hit", "Kill" or "Near Miss" flash sequence indications when the Laser Sensors detect MILES Laser energy.

FLASHWESS LASER TRANSMITTER (FLT)

The FLT employs a MILES coded Laser for simulation of weapon engagements for missiles, rockets and 30mm cannon. The FLT is integrated inside the MX-10 Surveillance Turret manufactured by L-3 WESCAM. The combined assembly is called the Articulating Sensor Package (ASP). The ASP provides day/night video and communicates with the LUH-TESS Weapons Processor for target acquisition. Two color monitors provide a view from the camera angle.



ASP & FLT



COCKPIT DISPLAY

**Provides Observer/Contoller,
Opposing Force,
and Offensive Weapons
Capabilities**



INTER-COASTAL ELECTRONICS

(480) 981-6898
www.inter-coastal.com
products@inter-coastal.net



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