



Advanced Threat Display

A family of Self-Protection System Situational Awareness Display for fast jets, helicopters and transport aircraft

The Advanced Threat Display is a 3ATI dedicated self-protection display with the capability of providing a real time correlated threat environment picture to the pilot.

The Advanced Tactical Display operations select buttons on the front bezel makes the display a single point control panel for the control and operation of the self-protection sub-systems, saving real estate in the cockpit and providing a capable intuitive user interface to the pilot.

The Advanced Threat Display is based on the latest LCD technology with impressive characteristics like excellent sunlight performance and night vision capabilities.

The Advanced Threat display family currently exists in two configurations; a 4x3" bezel for general applications and a 6x3" bezel especially developed for the F-16.



Technical description

The Advanced Threat Display has been designed based on a modular concept allowing for a family of configurations with different electrical data interfaces and front bezels to accommodate for optimal installation in specific cockpit environments.

The baseline design of the Advanced Threat Display is based on the latest technology power PC controller design for advanced display functions.



General technical overview

ENVIS compatibility	MIL-L-85762A, class B
Panel Illumination	MIL-P-7788
Display	Active Matrix Liquid Crystal Display (AMLCD)
Viewing Angle	+/- 30° up-down +/- 60° transverse (4x3" version only)
Resolution	300 x 300 pixels
Colour Depth	8 bit
Luminance	200 fL
Contrast Ratio	10.000 fc/2.000 fL spectral sunlight to 0.01 lumen/m > 2:1
Power consumption	40 watt max @ 28 volt DC (70 watt max w. heater activated)
Weight	2.65 lbs.
Dimensions	(l x w x h): 7.87x3.78x3.46 7.87x6.075x3.46 (F-16 version)
Supported Interfaces	DVI and RS-485 MIL-STD-1553 ARINC-429

Currently integrated on and certified for

- AH-64D Apache
- CH-47D Chinook
- C-160 Transall
- AS532 Cougar
- CASA C-295 Joint Cargo Aircraft
- EPAF F-16 MLU
- Boeing P-8A MMA

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