

GAViS™

General Aviation Vision System

Features:

- **Compact** - Single LRU packaging
- **Aerodynamic** - Designed for tough external environment
- **Light Weight** - weighs less than 4 lbs.
- **Simple Operation** - Just turn on and fly the image
- **Easy Installation** - Enclosed in an aerodynamic fairing packaging to allow installation like an antenna



The purpose of the GAViS is to enhance a pilot's ability to fly an aircraft by providing increased visibility. The GAViS consists of an un-cooled IR sensor, an integrated window assembly through which the sensor obtains its imagery, an integrated aerodynamics enclosure, and electronics responsible for window assembly heater control functions and IR sensor control. The GAViS is a single LRU that provides video to a head down display.

Easy Installation

The GAViS Sensor Assembly is packaged in an

aerodynamic enclosure and is designed to mount like an aircraft antenna on the top or bottom near the front of the aircraft. This mounting concept minimizes aircraft modification requirements and eases certification complexities by requiring no additional fairing and window to be designed and purchased for installation.

Mounting Concept

A mounting plate between the aircraft skin and GAViS may be used to tailor each aircraft installation to the GAViS sensor assembly.

GAViS™

PARAMETER	UNITS
Field Of View	30 Degrees Horizontal by 22.5 Degrees Vertical (Nominal)
Power	+28 VDC Aircraft Power
Dimensions	2.5" H x 5.5" W x 11" L Maximum Dimensions
Video Outputs	SMPTE-170M (RS-170) Analog Video
Weight	Less Than 4 Lbs.
Detector	Vanadium Oxide (VOx) Microbolometer
FPA Size	320 H x 240 V pixels
Sensitivity	Less Than 50 mK
IR Spectrum	8 to 14 Micron
Temperature Range	-55C to +70C
Altitude Range	Up to +55,000 Feet
Design Standards	RTCA DO-178B, DO-254, And DO-160E Compliant



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