



**MAX • VIZ**

Enhanced Vision Systems



▶ **EVS-1000**  
*From the leader  
in EVS Technology*

FAA Certified

## EVS-1000

*Aviation's most affordable EVS for business, helicopter, military and commercial transport aircraft.  
Available today with STC approved installation kits.*

Max-Viz introduces a new-generation infrared imaging system that is ideally suited to the requirements of business aircraft, helicopters, commercial and military transports. By using uncooled micro-bolometer technology to replace "old style" cryogenic coolers, the light weight EVS-1000 has set a new industry standard for reliability and affordability.

The EVS-1000 is the world's smallest and lightest system. Using a high-performance long-wave (8-14 micron) sensor, it enables pilots to see through darkness, smog, smoke and various levels of snow, rain and fog. Military users have traditionally depended upon long-wave sensors per their proven ability to generate dependable imagery from cold/wet terrain, runway features and objects in or near the landing area.

Installation of the EVS-1000 is relatively simple, and STC approved installation kits for a variety of aircraft are available. Existing cockpit displays or compact flat-panel LCD displays on articulated arms can be used, for out-of-the-way stowage when the system is not in use.

The Max-Viz EVS-2000 has been selected by Cessna for type certification on the Citation X and Sovereign aircraft. Supplemental Type Certificates and installation kits are available for a variety of fixed and rotary wing aircraft. Additional STC certification projects are underway.

### Enhanced vision for enhanced safety



Max-Viz EVS-1000 mounted in a Bombardier Challenger tail



Dedicated EVS display in Bombardier Challenger



Weighing under 5 lbs and approximately 2.75" in diameter x 5.75" long, the EVS-1000 is the smallest and lightest EVS available.

### EVS-1000 Series

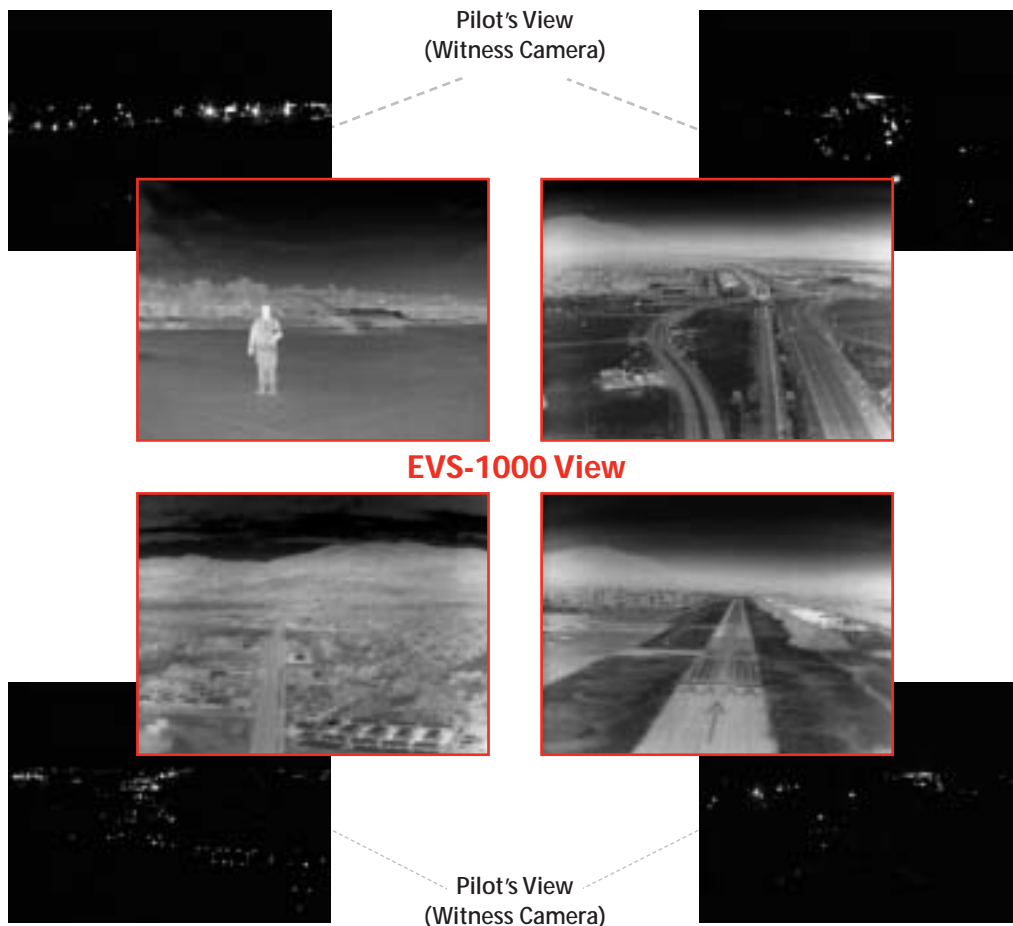
- ▶ Safety—displays a clear 53° x 40° field of view ahead and below
- ▶ Affordability—costs significantly less than first-generation EVS
- ▶ Compatibility—operates with any video-capable cockpit display
- ▶ Reliability—solid-state design yields maintenance-free operation

### Ideal for helicopter operations



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*Safety is enhanced via early detection of runway incursions and improved awareness of terrain during night operations, to prevent controlled flight into terrain (CFIT)*

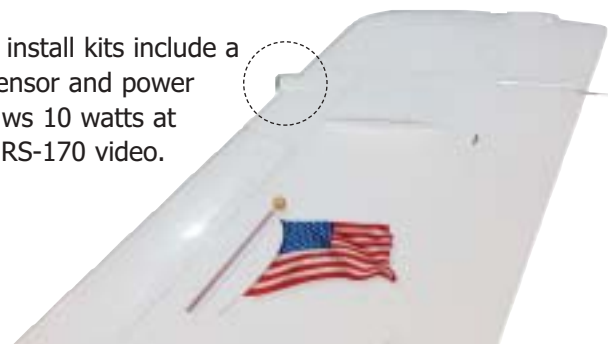


*"EVS provides increased situational awareness resulting in enhanced safety!"*

## Easy Installation

Dassault Falcon STC-approved install kits include a modified tail fairing, for EVS sensor and power supply mount. The system draws 10 watts at 28 VDC and outputs standard RS-170 video.

EVS-1000 installation for Dassault Falcon



## EVS-1000 Specifications

<b>Sensor Technology</b>	Uncooled solid state—does not require mechanical cryogenic cooler
<b>Size</b>	Sensor Head: 2.8" (71mm) diameter x 6.8" (172.7mm) length Power Module: 3.75" (95.3mm) width x 5.0" (127mm) height x 2.25" (57.2mm) depth
<b>Weight</b>	Sensor Head*: 2.5 lbs. (1.13kg); Power Module*: 2.5 lbs. (1.13kg) *Does not include cable and brackets.
<b>Power</b>	Electronics – 10 watts typical; 25 watts peak at 28 VDC Environmental – 50 watts average; 125 watts maximum (with heater)
<b>Field of View (FOV)</b>	Head-Down Display (HDD): 53° x 40° special FOVs on request
<b>Resolution</b>	320 x 240 pixels; two-dimensional Staring Array
<b>Reliability</b>	15,000+ hours MTBF
<b>Installation Options</b>	Mounted in radome, nose, belly or tail
<b>Environmental Qualifications</b>	Unit tested to requirements of DO-160D Fully EMI/RFI-protected and power-conditioned



Max-Viz EVS demonstrator

With headquarters in Portland, Oregon, the Max-Viz team includes aviation professionals, research engineers and professional pilots, with an experience base that is second to none in the EVS industry. Our 11,000-square-foot facility is dedicated to the design, development and production of the world's most advanced EVS and to the development of new technology specifically targeted to the improvement of Enhanced Vision Systems.

**For more information about EVS-1000  
Factory Authorized Dealers and Installers in your area, contact:**

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