



EVS-1500 Product Description

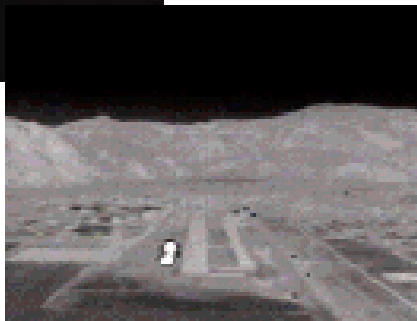
The EVS-1500 is a Dual Field of View Enhanced Vision System designed by pilots for improved situational awareness in all phases of fixed and rotor wing flight operations. The Max-Viz EVS-1500 sets the standard for Enhanced Vision Systems for aviation.

Based on thousands of hours of actual flight experience, both in fixed and rotor wing operations, the Max-Viz EVS-1500 offers not only the best sensitivity and image clarity, but also pilot friendly features that enhance the system's performance in all the phases of flight; from taxi, to takeoff, through cruise, to approach and landing.

Max-Viz EVS at 53° Field of View



Pilot's Eyes



Max-Viz EVS at 30° Field of View

The EVS-1500 includes a pilot selectable dual field of view; a feature that allows pilots to select wide angle or telephoto views of the world. The wide angle gives maximum peripheral visibility during

ground operations and the zoom provides early runway acquisition and detection of incursions during takeoff, approach and landing.



Pilot's Eyes



Max-Viz EVS at 53° Field of View

For current Max-Viz EVS customers, flying the EVS-1000, upgrade to the EVS-1500 is fast and easy. Identical in form to the EVS-1000, conversion to the EVS-1500 is simply a matter of replacing components and addition of one wire and switch. No additional structural modifications are required.

New customers for the EVS-1500 will enjoy the benefit of installing a new leading edge EVS system backed by thousands of hours of proven flight reliability on virtually every popular civil fixed and rotor wing turbine aircraft in operation today.



EVS-1500 Sensor and Power LRUs

Max-Viz commitment to customer support means that every upgrade to our products fits into the form factor of the preceding model, making upgrades simple, inexpensive and quick.

EVS-1500 Specifications

General	Lightweight, solid state, uncooled thermal imaging camera with advanced image processing software
Sensor Technology	Un-cooled solid state microbolometer
Field of View	Pilot selectable dual field of view - 53 x 40 or 30 x 22.5 degrees Optical zoom – no loss in resolution
Resolution	320 x 240 pixels
Size	Camera: 2.8" (71mm) diameter x 6.8" (172 mm) length Power Module: 3.75" (95mm) width x 5.0" (127mm) height x 2.25" (57.2mm) depth
Weight	Camera: 2.5 Lbs (1.13kg) Power Module: 2.5 Lbs (1.13kg)
Power	Electronics: 10 watts typical; 15 watts peak at 28VDC Environmental: 50 watts average; 125 watts maximum with heater
Environmental Qualifications	Certified to DO-160E Fully EMI/RFI and power conditioned
Reliability	15,000 hours MTBF

EVS-1000 Certifications

EVS-1000 Certifications are currently being amended for the EVS-1500

Fixed Wing

Bombardier Global Express
Cessna 500/501, expect 3Q 07
Cessna Citation II, expect 3Q 07
Cessna XL/XLS (560 family)
Challenger 600, 601 & 604
Challenger 601-3A
Falcon 2000
Falcon 50 & 50EX
Falcon 900 A, B, C & 900EX
Gulfstream G III, IV, V
King Air 90/200/300/350, expect 2Q 07
Lear 60
PC-12 12/45



EVS-1000 on Gulf IV

Rotary Wing

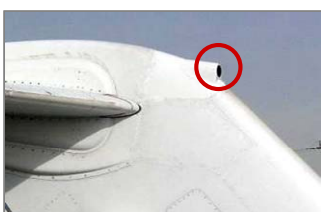
Agusta 109E
Bell 206A, 206B, 206L, 206L1, 206L3, 206L4, 407
Bell 212/412/412EP
Eurocopter EC 135 P1, P2, T1, T2
Eurocopter EC 145, BK 117
Sikorsky S-76 A/B/C



EVS-1000 on PC 12



EVS-1000 on A 109E



EVS-1000 on Challenger



EVS-1000 on Bell 412

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