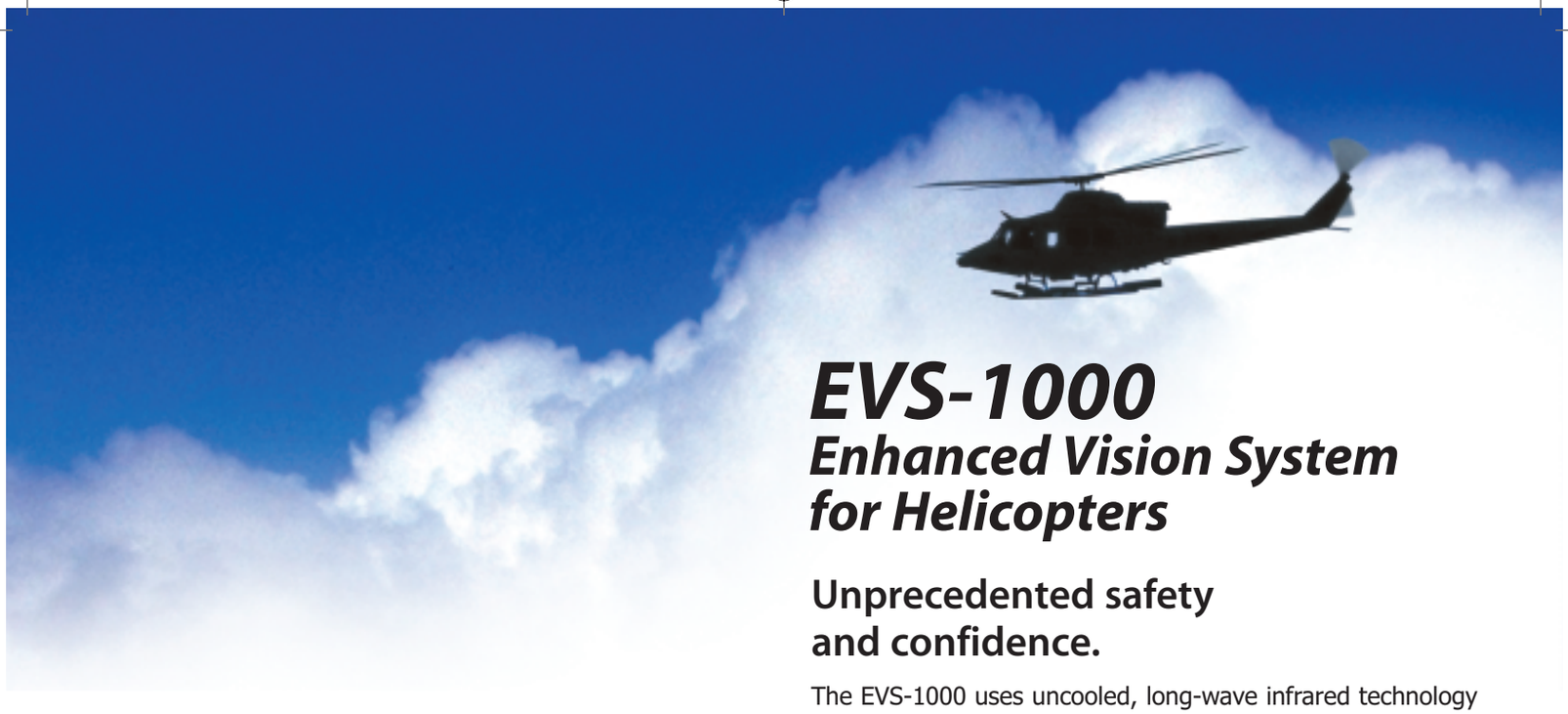


# EVS-1000
## Enhanced Vision System for Helicopters

### Unprecedented safety and confidence.

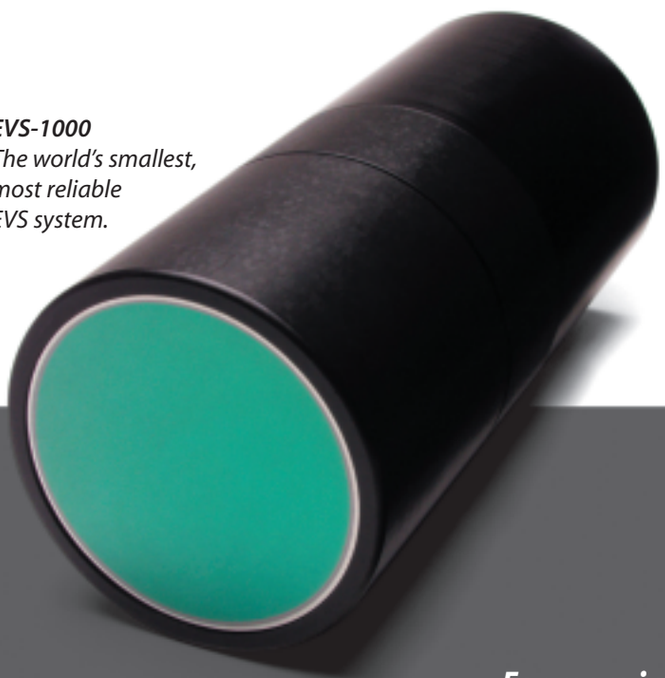
The EVS-1000 uses uncooled, long-wave infrared technology to provide pilots with enhanced situational awareness during periods of reduced visibility, such as rain, snow, smoke, haze or darkness. Data from the infrared sensor provide real-time images of unseen terrain and potential obstacles on a head-down display.

*Imagine flying with confidence — and safety — through haze, smoke, a dust storm, or just one of those dark, soupy nights when you can't see beyond your nose.*

### Aviation's most advanced EVS.

Max-Viz has delivered on the promise of Enhanced Vision Systems. EVS offers helicopter pilots and owners:

- Increased safety — displays a clear, 53º x 40º FOV ahead and below
- Affordability — costs significantly less than first-generation EVS
- Uncooled technology — nonreliance on bulky cryogenic cooling makes it very light, compact, and easy to install and maintain
- Compatibility — operates with any video capable display system (HDD)
- Unsurpassed reliability — solid-state design comes with a two-year service warranty



***EVS-1000***
*The world's smallest, most reliable EVS system.*

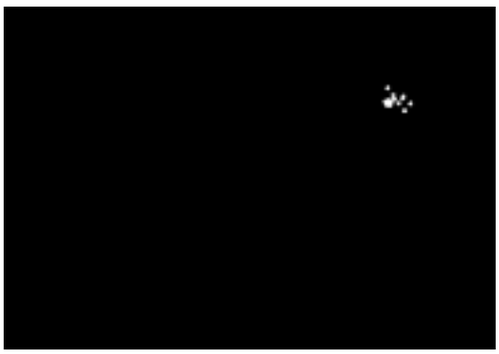
Max-Viz

## *Enhanced vision for enhanced safety.*

Explore the affordable, next-generation EVS technology from Max-Viz.

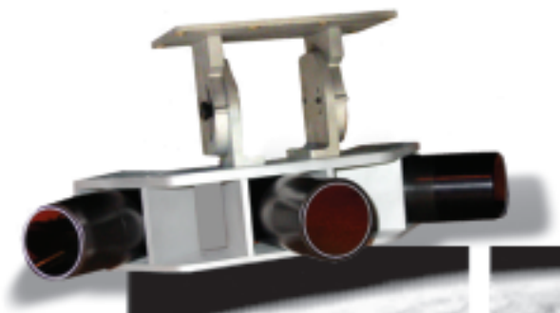
***For more information and demos, visit www.max-viz.com or call 1-503-968-3036.***

# EVS-1000

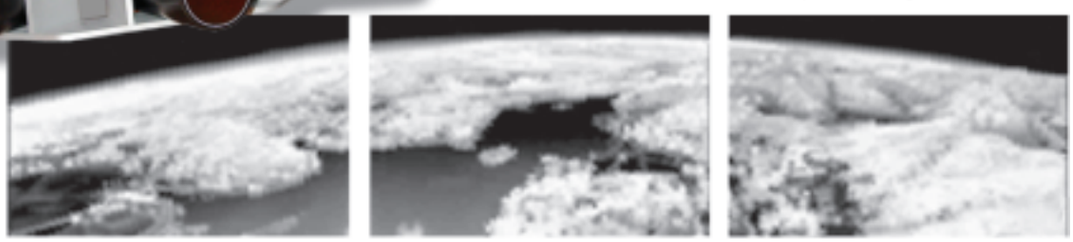


**Pilot's unaided vision —** Night operations can be challenging to any pilot.

**Pilot's night vision enhanced by EVS-1000 —** Terrain and other important features become clearly visible, offering pilots an opportunity to avoid the unexpected.



**In January 2003 —** Max-Viz conducted a flight test of a three-sensor EVS-1000 to provide helicopter pilots with a panoramic view ahead of and below the helicopter in flight.



Three EVS-1000 sensors were mounted to the underside of a Cobra helicopter and flown in difficult terrain scenarios. Output combined the data from each sensor to provide the pilot with a 150º x 40º FOV.

## EVS-1000 Specifications

| | |
|---|---|
| *Sensor Technology* | Uncooled solid state - Does not require mechanical cryogenic cooler |
| *Size* | Sensor Head: 2.8" (71mm) Diameter x 6.8" (172.7mm) L; Power Module: 3.75" (95.3mm) W x 5.0" (127mm) H x 2.5" (57.2mm) D |
| *Weight* | Sensor Head* – 2.5 lbs. (1.13kg); Power Module* – 2.5 lbs. (1.13kg) *Does not include cable and brackets.* |
| *Power* | Electronics – 10 watts typical; 25 watts peak at 28 VDC<br>Environmental – 50 watts average; 125 watts maximum (with heater) |
| *Field of View (FOV)* | Head-Down Display (HDD): 53º x 40º typical; special FOVs on request |
| *Resolution* | 320 x 240 pixels; two-dimensional Staring Array |
| *Reliability* | 15,000+ flight hours |
| *Operating Temp* | -55° to +70° C |
| *Installation Options* | Mounted on nose, belly or landing skids |
| *Environmental Qualifications* | Unit tested to requirements of DO-160D<br>Fully EMI/RFI protected and power conditioned |

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