



EVSTM_x

ENHANCED VISION FOR EXPERIMENTAL AND LIGHT SPORT AIRCRAFT

The EVSx is FLIR's new low cost, compact Enhanced Vision System (EVS) thermal imaging camera for Experimental and Light Sport aircraft.

EVSx allows you to see terrain, obstacles, and other aircraft in reduced visibility conditions including through smoke, haze, and light fog – even in total darkness. It not only provides detailed video imagery of rising terrain and the entire runway environment, but also lets you see people, animals, and vehicles on active runways and taxiways.

The EVSx is a single-component unit that comes with an adjustable mounting bracket and an all-in-one “power-in, video-out” cable for trouble-free integration. Its composite video output connects directly to most display screens that have an auxiliary video input, requiring no bulky extra black boxes for minimal weight-and-balance impact.

See more and fly safer with FLIR's EVSx.

EVSx LETS PILOTS

- **Maintain situational awareness in decreased visibility.**
- **See more of the runway environment, night and day, in good weather and bad.**
- **Reduce the risk of CFIT (controlled flight into terrain).**
- **See power poles, trees, and other obstacles from farther away.**
- **See better during “brown out” conditions.**
- **Identify rising terrain earlier.**
- **Detect runway and taxiway incursions - see animals, people, vehicles, and aircraft.**



EVSx detects aircraft on short final from run-up area



EVSx clearly shows entire runway environment



Naked eye only shows runway lights



EVS[™]_x

Thermal Imaging Performance

Sensor Type	320 x 240 Uncooled Microbolometer
Field of View	36° H x 27° V
Spectral Band	8-14 microns (LWIR)

Video

Outputs	NTSC & PAL
Orientation	Invertible Image Option for Integration Flexibility

Power

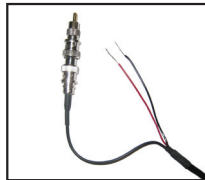
Power Requirements	9-16 VDC
Power Consumption	<2 W (<5 W w/heater on)

Environmental

Operating Temp	-40°C – 80°C
Weather Resistance	Hermetically Sealed
Window	Impact-Resistant Optic with Built-in Automatic Heating Element

Dimensions and Weight

Dimensions	2.3" x 2.8" x 3.3" (57.4mm x 71.4mm x 84.7mm)
Camera Weight	0.8 lb (363 grams)



FLIR Systems, Inc. CVS World Headquarters

FLIR SYSTEMS, INC.
70 Castilian Dr.
Goleta, CA 93117
USA
PH: + 1 877 773 3547
PH: + 1 805 964 9797
FX: + 1 805 685 2711
sales@flir.com

FLIR Systems, Inc. CVS Eurasian Headquarters

FLIR SYSTEMS, INC BV
Charles Petitweg 21
4847 NW Teteringen - Breda
Netherlands
PH: +31 (0) 765 79 41 94
FX: +31 (0) 765 79 41 99
flir@flir.com

FLIR Systems, Inc. Corporate Headquarters

FLIR SYSTEMS, INC.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: + 1 877 773 3547
FX: + 1 503 498 3153
sales@flir.com

www.flir.com