

**EVS<sub>3</sub>**<sup>™</sup>

---

## SEE CLEARLY IN TOTAL DARKNESS

The EVS3 is a new, compact thermal imager purpose-built as an Enhanced Vision System for today's aviator. It allows you to see terrain, obstacles, and other aircraft in total darkness, through smoke, smog, dust and haze. It not only provides video imagery of the entire runway environment, but exposes details like people, animals and vehicles on active runways and taxiways as well.

EVS3's compact, lightweight housing allows for tremendous installation flexibility; it is "install-ready" as designed or with a fairing, using any of the attachment points on the top, bottom, and each side. The EVS3 is a single-component system with simple "power-in, video-out" integration. Its composite video output connects directly to most multi-function displays that have an auxiliary video input – no extra black boxes are required! Three lens options (20°, 35° & 46°) tailor the field-of-view to accommodate your flight profile. Don't settle for 40°, 53° or a product suited for only one specific platform type – choose to see what your platform performance demands!

FLIR Systems, the world leader in the development of Airborne Thermal Imaging Technology and Integrated Infrared Aviation Solutions, designs and manufactures EVS3. FLIR is the most vertically integrated thermal imaging corporation in the world – we develop, design and build our products and all of their critical components in-house. No outsourced solutions here – we are your single source for ultimate EVS design and quality control. Don't compromise on reliability, operation, support or budget!

See more and fly safer with FLIR's EVS3.

---

## MAINTAIN SITUATIONAL AWARENESS IN DECREASED VISIBILITY

- **See more of the runway environment, night and day, in good weather and bad**
- **Detect runway and taxiway incursions – see animals, people, vehicles, and aircraft**
- **See trees, terrain and other obstacles from farther away**
- **Reduce the risk of CFIT (controlled flight into terrain)**
- **See better in "brown out" conditions**
- **Sunlight safe**



EVS3 detects aircraft on short final from run-up area



EVS3 clearly shows entire runway environment



Naked eye only shows runway lights



# EVS<sub>3</sub><sup>™</sup>

## System Overview

System Type	Uncooled Airborne Enhanced Vision System (EVS) camera
Sensor Type	324 x 256 VOx Microbolometer
Spectral Band	7.5-13.5 $\mu$ m
Automatic Features	Dynamic Detail Enhancement (Advanced Image Processing & Automatic Gain Control)
Warranty	24 months

## Field of View Options

Wide	14.25mm, 46° x 35°
Medium	19mm, 35° x 27°
Narrow	35mm, 20° x 15°

## Dimensions

Size (L x W x H)	5.63 x 3.4 x 3.30 in (143 x 87 x 83 mm)
Weight	< 2.9 lbs (1.27 kg)

## Outputs

Video	NTSC or PAL
-------	-------------

## Power

Power Requirements	22-30.3 VDC; 27.5 VDC Nominal
Power Consumption	2.0 - 20W

## Environmental

Operating Temp	Tested per RTCA DO-160E, CAT. B2
Qualification	Pending qualification to RTCA DO-160E

### 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

### EUROPE CVS Eurasian Headquarters

FLIR SYSTEMS CVS 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.  
27700A SW Parkway Ave.  
Wilsonville, OR 97070  
USA  
PH: + 1 877 773 3547  
FX: + 1 503 498 3904  
sales@flir.com

www.flir.com