

# LFD3506 Dual Sensor Enhanced Vision System

## Advanced vision and awareness in all conditions

- Compact form factor with aerodynamic housing for optimal integration
- Blended HD long-wave infrared and low-light-visible video
- Dual video outputs with full-color option
- White hot/black hot settings
- Electronic zoom



The Lexavia LFD3506 leverages the industry's most advanced infrared sensor technology integrated into compact, lightweight, aerodynamic housings. The single LRU system architecture enables simplified aircraft installation and certification while preserving the natural aesthetics of the aircraft. The LFD3506 Dual Sensor incorporates state-of-the-art image-blending algorithms to provide automatically blended, high-definition long-wave infrared (LWIR) and low-light-visible sensor imagery.

- Industry-leading performance with most advanced infrared sensor technology
- Automatically blended HD long-wave infrared and low-light-visible video
- Optional HD full-color video
- Multiple SD and HD video outputs
- Compact aerodynamic design
- White hot/black hot settings
- NTSC or PAL video signal
- Aerodynamic high-speed/low-drag design
- Single LRU compact form factor with simplified mounting
- 2x electronic zoom

CONTACT US



**SPECIFICATIONS**

Size	Depth - 8.43" Width - 3.72" Height - 2.11"	
Weight	Approx. 1.3 lb (0.58 kg)	
Resolution	640 x 512 high-res LWIR 1280 x 1024 low-light-visible 1280 x 720 HD full-color (optional)	
Field of View	32° H x 26° V	
Control Interface	RS-232 RS-485 ARINC 429	RS-422 Ethernet
Power Input	12-28 VDC 18 W typical 50 W max	

**Integration Options**

Direct control from EFIS

Controlled by LRK9106

Displayed on any video-capable cockpit display device

Sensor orientation configurable for top or bottom mount

In-house design capabilities for conformal wedges

**Contact**

mission@rcy.com  
+1 850.470.8464 tel

**Learn more**

[rcy.com/sensors](http://rcy.com/sensors)



© 2022 Mercury Systems, Inc. The Mercury Systems logo and the following are trademarks or registered trademarks of Mercury Systems, Inc.: Mercury Systems, Innovation That Matters, and BuiltSECURE. Other marks used herein may be trademarks or registered trademarks of their respective holders. Mercury believes this information is accurate as of its publication date and is not responsible for any inadvertent errors. The information contained herein is subject to change without notice.  
8175.00E-0422-ds-GulfBreeze-LFD\_3506