



MilSight™ LIRC™



MilSight™ ADUNS™ shown with dayscope

# FLIR LIRC™

## High Performance Long-wave Quantum Well Sensor for Military Vehicle Applications

The MILSIGHT™ LIRC is a compact, rugged thermal imager designed for high sightline stability and excellent imaging performance in tracked or wheeled armored vehicle applications. It uses a 640x480 LWIR QWIP detector coupled with highly advance STACE™ image processing for outstanding image quality in the most demanding situations.

### KEY FEATURES

- Purpose built, mid and large format Quantum Well Photodetector
- Dual field of view optics
- Rugged and compact
- Auto focus and par focus
- STACE™ digital image enhancement
- Digital and analog outputs
- It's all FLIR Inside

### BENEFITS

- All the benefits of longwave QWIP with crisp imagery in any climate and resistance to laser aggression weapons
- Get fast situational awareness and long range detection, approaching 10 km on 2.3 m targets
- Designed for battlefield use and easy integration into vehicles and a variety of defense articles
- Maintains crisp imagery without constant user input, critical to reducing workload
- One of several image enhancement features available only from FLIR, delivering crisp imagery regardless of scene dynamics, including cases where extremely hot targets reside in an otherwise cold isothermal scene
- Common analog outputs for legacy applications and digital video for maximum fidelity
- FLIR controls the entire supply chain on the critical technology inside ThermoSight systems, ensuring fast service and long term support

## APPLICATIONS

- Armored Vehicles
- Target Acquisition
- Fire Control
- Forward Observation
- Training Range
- Reconnaissance
- Perimeter Security

## Specifications

Thermal Imaging Performance	
Sensor type	320 x 240 or 640 x 480 QWIP
Number of fields of view	2
Wide FOV	10° x 7.5°
Narrow FOV	3.5° x 2.6°
Wide FOV (640 x 480)	13° x 10°
Narrow FOV (640 x 480)	4.6° x 3.5°
E-zoom	2x, 4x with digital interpolation
Spectral band	7.5-9.3 µm
System Features	
STACE™ digital image enhancement	
Outputs	
Video	NTSC or PAL Video, 14 bit digital data
Power	
Power requirements	24 V DC, 24 V DC MIL-STD-1275D, via power adapter
Power consumption	< 45 W (average)
Operating temp	-30°C to 60°C
Storage temp	-40°C to 70°C
Dimensions, Weight & Mounting	
Dimensions	260 x 150 x 125 mm (10.2 x 5.9 x 4.9 in.)
Weight	<5.5 kg (12.1 lbs)
Interfaces	
Command and Control	RS 422, Ethernet

**CORPORATE HEADQUARTERS**  
 FLIR Systems, Inc.  
 27700 SW Parkway Ave.  
 Wilsonville, OR 97070  
 PH: +1 877.773.3547

**FLIR SYSTEMS AB**  
 Antennvägen 6,  
 PO Box 7376  
 SE-187 66 Täby  
 Sweden  
 PH: +46 (0)8 753 25 00



**SANTA BARBARA**  
 FLIR Systems, Inc.  
 6769 Hollister Ave.  
 Goleta, CA 93117  
 PH: +1 805.690.6602

**EUROPE**  
 FLIR Systems, Inc.  
 Luxemburgstraat 2  
 2321 Meer  
 Belgium  
 PH: +32 (0) 3665 5100

www.flir.com  
 NASDAQ: FLIR



Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2016 FLIR Systems, Inc. All rights reserved. 11/18/2016

16-1074-SUR-LND-LIRC