



INFRARED DETECTORS



EOLE

640 x 512 - 15 μm
MWIR : 3.2 - 3.55 μm

The EOLE product has been optimized for detecting Methane as well as other gases, including Methanol, Benzene and Ethanol. EOLE is suitable for portable and 24/7 applications.

The EOLE product integrates into the new platform developed by LYNRED, which gives integrators the opportunity of creating a single design that can host different products to cover a range of multi-purpose applications.

THE NEW **VGA SENSOR** FOR OPTICAL GAS IMAGING (OGI) APPLICATIONS

-  **HIGH SENSITIVITY**
-  **LOW POWER**
-  **EASY INTEGRATION**
-  **COMPACT & RELIABLE**



GAS DETECTION



ORDERING REFERENCE: **EOLE**

●● THE NEW VGA SENSOR FOR OGI APPLICATIONS ●●



MULTI-PURPOSE



LOW POWER

For Hand Held applications



COMPACT

for Easily embedded on drones



HIGH SENSITIVITY

To be compliant with the new legislative rules



RELIABILITY

For 24/7 applications

PRODUCT	
Spectral Band	■ 3.2 μm to 3.55 μm
Aperture (F/Number)	■ F/1.3
MTTF	■ 32 000 hrs
NETD	■ < 20 mK (at 300K of black body temperature)(TBC)
FPA operability	■ > 99.5%
Cooler	■ Split Linear cryocooler : Ricor K588
Cool down time	■ < 5.4 min @ 20°C and 12 Vdc power supply
FRAME RATE	
Minimum framerate	■ Typical 30Hz, Max : 120Hz
FPA FEATURES	
Well Capacity	■ 2.1 Me-(typical)
ROIC modes	■ Supports ITR and IWR integration modes
Windowing	■ ROI feature support, with 160 x 2 minimum size
Image flip	■ Horizontal and/or vertical image mirroring
INTERFACES	
Video output	■ CameraLink® Base Mode
Communication	■ CameraLink® UART
Embedded sensor	■ Focal Plan Array and Product temperatures
ON-BOARD PERIPHERALS	
Genlock Feature (external sync.)	■ Frame rate or integration signal / Pixel Clock
Built-in test	■ Video test pattern, Power supplies monitoring
Product power supply voltage range	■ 12 Vdc typical
Product Power Consumption	■ Cooldown : < 13 Wdc @ 25°C (TBC) ■ Steady state : < 3.2 Wdc (TBC) @ 25°C, 30 Hz
PHYSICAL CHARACTERISTICS	
Maximum Outline dimensions (LxWxH)	■ 56 mm * 77 mm * 72.5 mm
Weight	■ 370 g
ENVIRONMENTAL	
Operating temperature Range	■ -40°C to +71°C
Storage temperature Range	■ -54°C to +71°C



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