

# GALATEA MW SL

640 x 512 - 15  $\mu$ m

THE NEW GALATEA MW SL product is particularly suitable for integration into small UAV gimbals featuring high MTTF and compactness.

## THE FIRST **SWAP** DETECTOR WITHIN THE **PLUGUP** PLATFORM

- HIGH IMAGE QUALITY
- LOW POWER CONSUMPTION
- COMPACTNESS
- EASY MECHANICAL INTEGRATION



DEFENSE

FIXED SURVEILLANCE



# ●● THE FIRST SWAP DETECTOR WITHIN THE PLUGUP PLATFORM ●●



## MULTI-PURPOSE



## LOW POWER



## COMPACT



## WEIGHT



## LOW ACOUSTIC NOISE



### PRODUCT EMBEDDED FEATURES

IDDCA + PROXIMITY BOARD + CRYOCOOLER CONTROLER

### ARRAY FEATURES

Detector spectral response ■ 3.6 to 4.2  $\mu\text{m}$

FPA operating temperature ■ Up to 150 K

### ROIC (READ-OUT INTEGRATED CIRCUIT)

Selection ■ IWR and ITR

ROIC architecture ■ Direct Injection

ROIC functionalities ■ Invert/Revert

Windowing modes ■ Down to 160 x 2

Charge handling capacity ■ 2.1 Me-

Signal output rate ■ 10 MHz

Frame rate ■ 60 Hz

### TYPICAL\* PERFORMANCES

NETD ■ < 31 mK (27°C, 50%WF, f/4)

Array operability ■ > 99.5%

RFPN at 50% well fill ■ < 0.5 x RMS noise

### INTERFACES

Video output ■ CameraLink® Base Mode

Communication ■ CameraLink® UART

Product Power Supply ■ 12 Vdc typical

### PHYSICAL CHARACTERISTICS

Maximum Outline dimensions (LxWxH) ■ 56 mm x 77 mm x 72.5 mm

Weight ■ 360 g

### K588

Aperture ■ f/4; f/5.5

Regulated Input power @20°C ■ 3Wdc

Cooldown Input power @20°C ■ 12Wdc

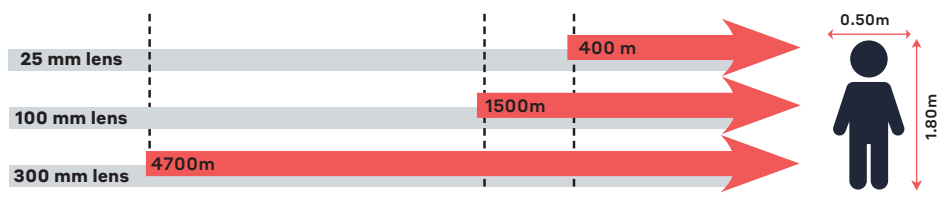
Cooldown time @20°C ■ 3mim 30s

Cooler MTTF ■ 32,000hrs

### AVAILABLE SERVICES

Technical training and support

### Recognition distances for human measuring 1.80 m x 0.50 m



Range for Johnson's criteria, target  $\Delta T = 2 \text{ K}$ , perfect atmospheric and optics transmissions, theoretical square pixel.



**LYNRED HEADQUARTERS**  
Avenue de la Vauve - CS 20018  
91127 Palaiseau - France  
Phone +33 (0)1 60 92 18 30  
info@lynred.com

**DEVELOPMENT AND PRODUCTION CENTER**  
Actipole - CS 10021 - 364, route de Valence  
38113 Veurey-Voroize - France  
Phone +33 (0)4 76 28 77 00  
info@lynred.com