

GALATEA MW SL™

640 x 512 - 15µm

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



ORDERING REFERENCE: GALATEA MW SL™



MULTI-PURPOSE



LOW POWER



COMPACT



WEIGHT



LOW ACOUSTIC NOISE



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THE FIRST SWAP DETECTOR WITHIN THE PLUGUP PLATFORM

PRODUCT EMBEDDED FEATURES

IDCCA + PROXIMITY BOARD + CRYOCOOLER CONTROLLER

ARRAY FEATURES

Detector spectral response ■ 3.6 to 4.2 μ 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 ■ < 28 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

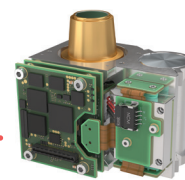
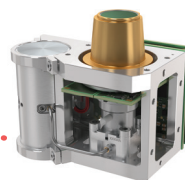
Cooler MTTF ■ 32,000hrs

AVAILABLE SERVICES

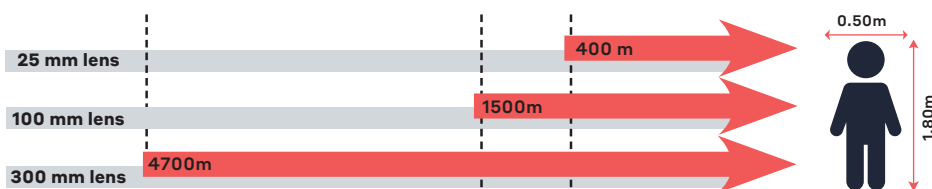
LYNRED toolbox™ (LTB)

Technical training and support

Also available in ATI GALATEA MW SL™ with embedded image correction



Recognition distances for human measuring 1.80 m x 0.50 m



Range for Johnson's criteria, target deltaT = 2 K, perfect atmospheric and optics transmissions, theoretical square pixel.