



LYNRED®

See Beyond Horizons



INFRARED DETECTORS

SEEGNUS MW SL™

1280x1024 - 7.5 μ m

THE NEW SEEGNUS MW SL™ product is particularly suitable for integration into high performance systems requiring compactness & high MTTF.

THE FIRST 7.5 μ m PITCH SXGA DETECTOR WITHIN THE PLUGUP PLATFORM



HIGH IMAGE QUALITY



HIGH RESOLUTION



COMPACTNESS



EASY MECHANICAL INTEGRATION

DEFENSE

MOBILE SURVEILLANCE

HTTI

GROUND VEHICLE



ORDERING REFERENCE: SEEGNUS MW SL™



MULTI-PURPOSE



LOW POWER



COMPACT



WEIGHT



LOW ACOUSTIC NOISE



●● THE FIRST 7.5µM PITCH SXGA DETECTOR WITHIN THE PLUGUP PLATFORM ●●

PRODUCT EMBEDDED FEATURES

IDDCA + PROXIMITY BOARD + CRYOCOOLER CONTROLLER

ARRAY FEATURES

Detector spectral response	■ 3.6 to 4.2µm
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 mode	■ Down to 640 x 4
Frame rate	■ Up to 60Hz

TYPICAL PERFORMANCES

NETD	■ 42 mK (300K, 50%WF, f/3)
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

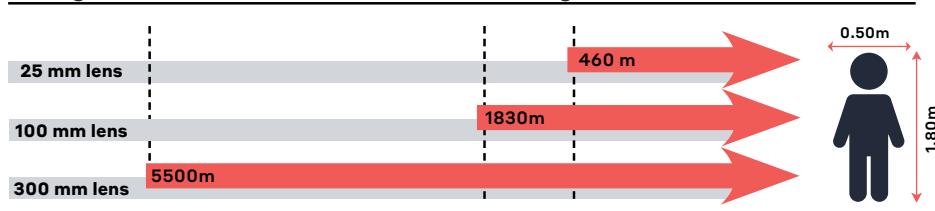
Aperture	■ f/4, f/3.4, f/3, f/2
Regulated Input power @20°C	■ <3.7Wdc
Cooldown Input power @20°C	■ <13.5Wdc
Cooldown time @20°C	■ <4min40s
Cooler MTTF	■ 32,000hrs

AVAILABLE SERVICES

Technical training and support



Recognition distances for human measuring 1.80 m x 0.50 m



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

LYNRED HEADQUARTERS DEVELOPMENT & PRODUCTION CENTER

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