

# SEEGNUS MW SL™

1280x1024 - 7.5µm

INFRARED DETECTORS

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

THE **FIRST** 7.5µm 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™



## MULTI-PURPOSE



## LOW POWER



## COMPACT



## WEIGHT



## LOW ACOUSTIC NOISE



# ●● THE FIRST 7.5μm PITCH SXGA DETECTOR WITHIN THE PLUGUP PLATFORM ●●

## PRODUCT EMBEDDED FEATURES

IDCCA + PROXIMITY BOARD + CRYOCOOLER CONTROLLER

## ARRAY FEATURES

Detector spectral response	■ 3.6 to 4.2 μm
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
Frame rate	■ Up to 60Hz

## TYPICAL PERFORMANCES

NETD	■ 40mK (300K, 50%WF, f/3)
Array operability	■ > 99.5%
RFPN at 50% well fill	■ < 0.5 × 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

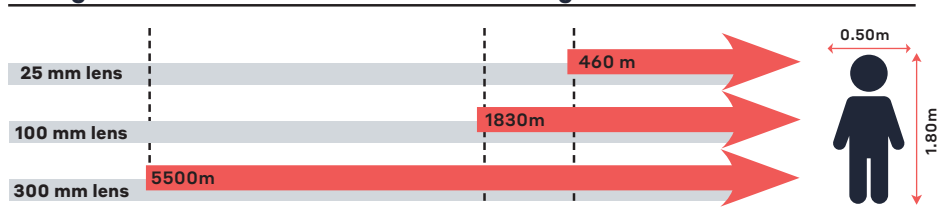
## K588

Aperture	■ f/4, f/3.4, f/3, f/2
Regulated Input power @20°C	■ <3.5Wdc
Cooldown Input power @20°C	■ <15Wdc
Cooldown time @20°C	■ <4min
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 deltaT = 2 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

**LYNRED ASIA PACIFIC PTE LTD**  
5 Shenton way,  
#22-04 UIC Building  
068808 Singapore  
info@lynred.com

**LYNRED USA**  
373 US Highway 46W  
Fairfield, NJ 07004, USA  
Phone +1 973.882.0211  
info@lynred-usa.com