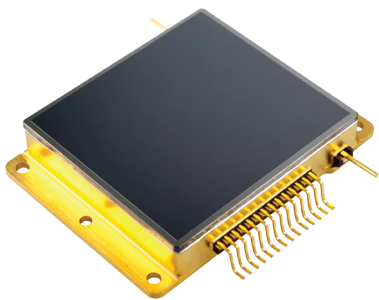


# Pico1024Gen2™

1024 x 768 - 17  $\mu\text{m}$



## DESIGNED FOR HIGH DEFINITION INFRARED IMAGING

Designed for the most demanding environments, Pico1024Gen2 offers high resolution and high contrast imaging for long range detection applications.



SURVEILLANCE  
& UAV



DEFENSE



THERMOGRAPHY

**+ OUTSTANDING IMAGE QUALITY**

**+ PROVEN RELIABILITY**

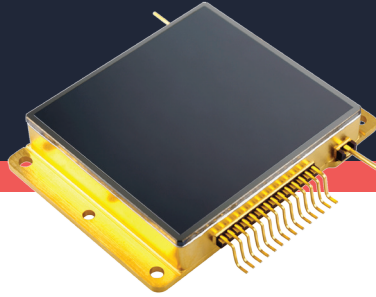
**+ SEAMLESS INTEGRATION**



# Pico1024Gen2™

1024 x 768 - 17 μm

**DESIGNED FOR  
HIGH DEFINITION  
INFRARED IMAGING**



PRODUCT NUMBER: **PICO1024-048**

**PIC0384-053 (17 μm)  
FULL COMPATIBILITY**



## OUTSTANDING IMAGE QUALITY

**"Detects fast  
moving objects"**

- Sharp contrast
  - 30 mK < Thermal sensitivity < 50mK (F/1, 300K, 30Hz)
  - Extended operating temperature [-40°C; +85°C]
- Fluid and smooth image
  - Frame rate up to 120Hz
  - Thermal time constant < 12 ms
- High uniformity
  - Array operability > 99.5 %
  - Scene dynamic > 100°C

## PROVEN RELIABILITY

**"Robust  
for extreme  
environments"**

- Standards MIL810 - MIL 883
- Thermal Weapon Sight (TWS) qualified
- Product availability and exportability
  - Products designed and manufactured in Europe
- Product delivery to our customers
  - On-time order deliveries > 95%

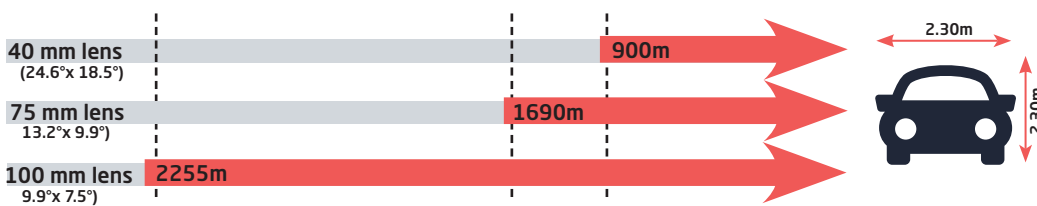
## SEAMLESS INTEGRATION

**"Ready for  
high volume  
production"**

- Flexible configuration
  - Full access to sensor features through serial link
  - External frame synchronization capability
- Simplified image processing
  - TECless, Shutterless compatible
  - Single gain table and predictable offset management for reduced calibration time
- Battery optimization
  - Low power consumption < 220 mW



### Recognition distances for vehicle measuring 2.3 m x 2.3m



Specifications are subject to change

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