

# Pico1024Gen2

1024 x 768 – 17  $\mu\text{m}$

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

## DESIGNED FOR HIGH PERFORMANCE INFRARED IMAGING



OUTSTANDING IMAGE QUALITY



PROVEN RELIABILITY



SEAMLESS INTEGRATION

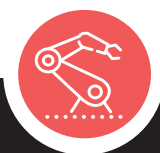
DEFENSE



SURVEILLANCE

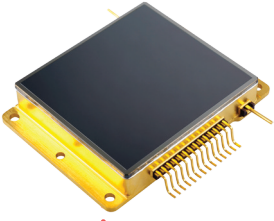


INDUSTRY

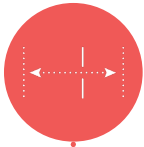


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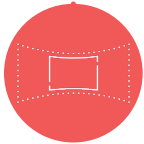
## DESIGNED FOR HIGH PERFORMANCE INFRARED IMAGING



OUTSTANDING IMAGE QUALITY	
Sharp contrast	<ul style="list-style-type: none"> <li>Thermal sensitivity &lt; 50 mK, (f / 1, 300K, 30Hz, FPA 25°C)</li> <li>Extended operating temperature [-40°C; +85°C]</li> </ul>
Fluid and smooth image	<ul style="list-style-type: none"> <li>Frame rate up to 120Hz</li> <li>Thermal time constant &lt; 12 ms</li> </ul>
High uniformity	<ul style="list-style-type: none"> <li>Array operability &gt; 99.5 %</li> <li>Scene dynamic &gt; 100°C</li> </ul>
SEAMLESS INTEGRATION	
Flexible configuration	<ul style="list-style-type: none"> <li>Full access to sensor features through serial link</li> <li>External frame synchronization capability</li> </ul>
Simplified image processing	<ul style="list-style-type: none"> <li>TECless, Shutterless compatible</li> <li>Single gain table and predictable offset management for reduced calibration time</li> </ul>
Battery optimization	<ul style="list-style-type: none"> <li>Low power consumption &lt; 220 mW</li> </ul>
PROVEN RELIABILITY	
	<ul style="list-style-type: none"> <li>Standard MIL810-MIL883</li> <li>Thermal Weapon Sight (TWS) qualified</li> <li>Designed and manufactured in Europe</li> </ul>



LONG RANGE



LARGE FIELD OF VIEW

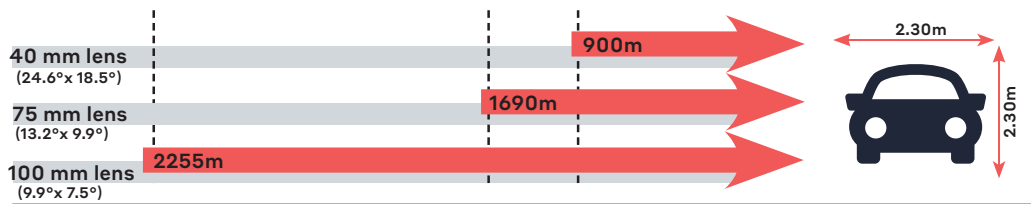


IMAGE QUALITY



RELIABILITY

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



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



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