

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

Pico1024Gen2

1024 x 768 – 17 μm

DESIGNED FOR **HIGH PERFORMANCE** INFRARED IMAGING



OUTSTANDING IMAGE QUALITY



PROVEN RELIABILITY



SEAMLESS INTEGRATION

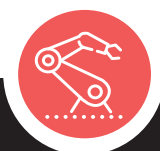
DEFENSE



SURVEILLANCE



INDUSTRY

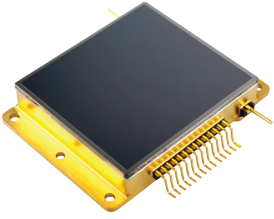


ORDERING REFERENCE: **PIC01024-048**

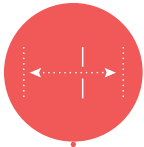
INFRARED DETECTOR

PICO1024 Gen2

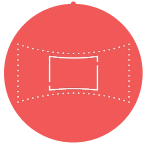
DESIGNED FOR HIGH PERFORMANCE INFRARED IMAGING



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



LONG RANGE



LARGE FIELD OF VIEW

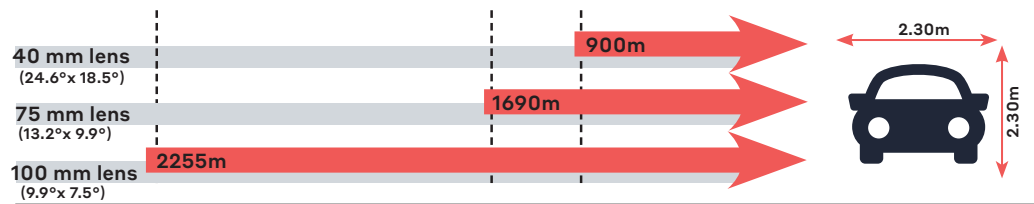


IMAGE QUALITY



RELIABILITY

Recognition distances for vehicle measuring 2.3 m x 2.3 m



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



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