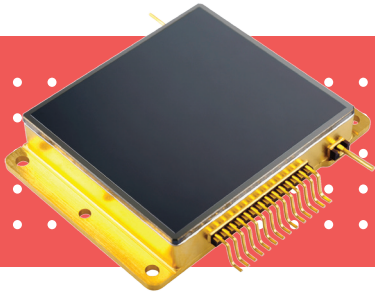


INFRARED DETECTOR

Pico1024Gen2

1024 x 768 – 17 μm



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

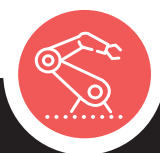


SEAMLESS INTEGRATION

DEFENSE

SURVEILLANCE

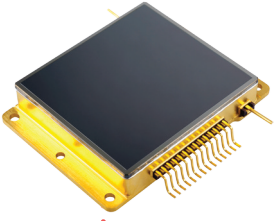
INDUSTRY



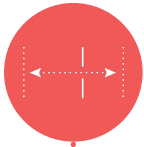
ORDERING REFERENCE: PICO1024-048

PICO1024 Gen2

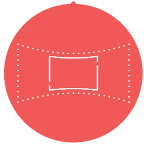
DESIGNED FOR HIGH PERFORMANCE INFRARED IMAGING



| 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

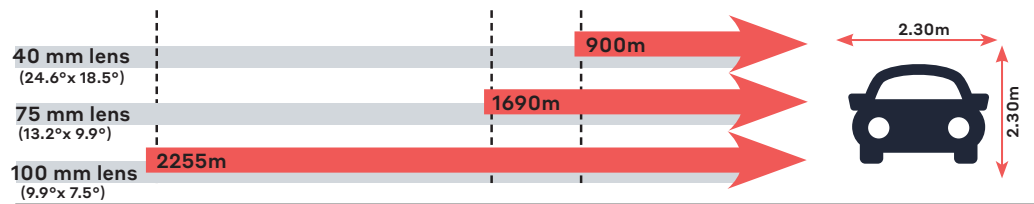


IMAGE QUALITY



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.



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