

INFRARED DETECTOR

atto¹²⁸⁰

1280 × 1024 – 12 μm

Atto1280 expands LYNRED's 12 μm product range.

Offering high resolution images in the most compact packaging, Atto1280 combines key values to meet the requirements for long range and large FOV (field of view) of Defense, Surveillance and Security applications.

THE **BEST** IN **12 μm** PIXEL PITCH IN THE SMALLEST PACKAGING FOOTPRINT

-  HIGH-QUALITY LARGE FOV IMAGES
-  PROVEN RELIABILITY
-  OPTIMIZED TOTAL COST OF OWNERSHIP
-  LONGER RANGE

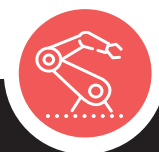
DEFENSE



SURVEILLANCE



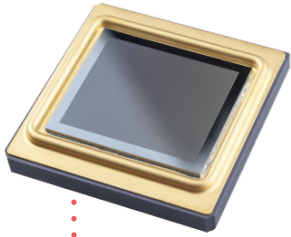
INDUSTRY



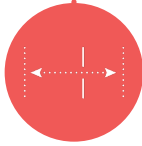
ORDERING REFERENCE: ATTO 1280

THE BEST IN 12 μm PIXEL PITCH IN THE SMALLEST PACKAGING FOOTPRINT

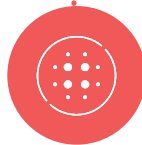
atto¹²⁸⁰



COMPACT



LONGER RANGE



LARGER FOV



RELIABILITY

HIGH-QUALITY LARGE FOV

Sharp contrast	<ul style="list-style-type: none"> Thermal sensitivity < 60 mK, (f/1, 300K, 30Hz, FPA 25°C) [-40°C; +85°C] operating temperature range
Fluid and smooth image	<ul style="list-style-type: none"> Frame rate up to 60Hz Thermal time constant 12 ms
High uniformity	<ul style="list-style-type: none"> Array operability > 99.7 % Scene dynamic > 50°C

EASY IMPLEMENTATION

Flexible configuration	<ul style="list-style-type: none"> Full access to sensor features (I²C) Free run or external trigger mode
------------------------	--

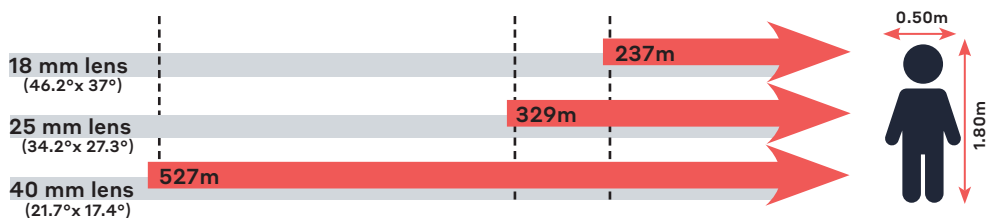
OPTIMIZED TOTAL COST OF OWNERSHIP

Reduced optic size and cost	<ul style="list-style-type: none"> 12 μm pixel pitch
Product platform	<ul style="list-style-type: none"> Compliant for upgrades of UL04171 (VGA 25μm) and Pico1024 (XGA 17μm)
Simplified image processing	<ul style="list-style-type: none"> TECless, Shutterless compatible

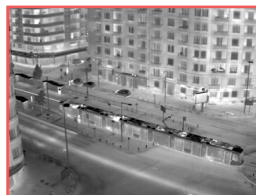
PROVEN RELIABILITY

<ul style="list-style-type: none"> TWS qualified Designed and manufactured in Europe Standard MIL810-MIL883
--

Recognition distances for human measuring 1.80 m x 0.50 m



Range for Johnson's criteria, target deltaT = 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

Ref: 06/2020/01-istock & LYNRED images-Printed in France
 Technical characteristics described in this data sheet are for information only. They are not contractual and may change without prior notice.