

INFRARED DETECTOR

ATTO1024-02

1024 × 768 – 12 μm

Based on continuous customers feedback, LYNRED has improved its 12 μm technology for the ATTO products family.

Offering high resolution images, ATTO1024-02 combines key values to meet the requirements for long range and large FOV (field of view) of high performance commercial applications (leisure, surveillance...).

HIGHER SENSITIVITY FOR LIMITLESS APPLICATIONS



HIGH-QUALITY LARGE FOV IMAGES



LONGER RANGE



FLUID AND CRISP IMAGES

LEISURE



SURVEILLANCE



DEFENSE

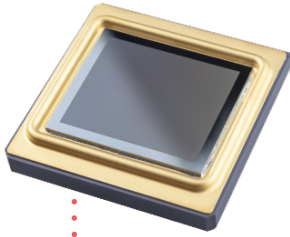


THERMOGRAPHY



ORDERING REFERENCE: ATTO1024-02

ATTO1024-02



HIGH-QUALITY LARGE FOV	
Resolution	■ 1024 x 768
Sharp contrast	■ Thermal sensitivity < 50 mK, (f/1, 300K, 30Hz) ■ [-40°C; +85°C] operating temperature range
Fluid and smooth image	■ Frame rate up to 100Hz
High uniformity	■ Array operability > 99.5 %
EASY IMPLEMENTATION	
Sensor size	■ 29.5 x 29.5 mm ² footprint
Flexible configuration	■ Full access to sensor features (I ² C) ■ Free-run or external trigger mode
OPTIMIZED TOTAL COST OF OWNERSHIP	
Reduced optic size and cost	■ 12 μm pixel pitch
Simplified image processing	■ Shutterless compatible
PROVEN RELIABILITY	
	■ Qualified for thermal weapon sight use ■ Designed and manufactured in Europe ■ Standard MIL810-MIL883

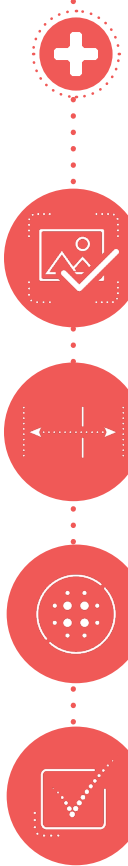


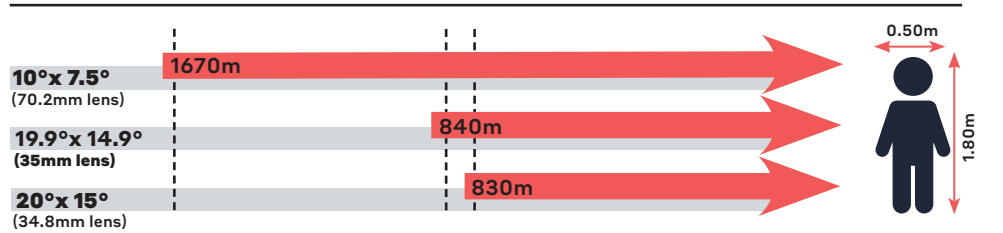
IMAGE QUALITY

LARGER FOV

LONGER RANGE

RELIABILITY

Human recognition distance with f/1 optics (perfect OTF & 88% typical transmission)



Range for Johnson's criteria @ 50% probability, 2K DeltaT vs background, perfect atmosphere, real LYNRED pixel MTF, sensor NETD = 50mK



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

Réf. 02/2022/01-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.