



# ATTO1024-02™

1024 × 768 – 12µm

INFRARED DETECTOR

Based on continuous customers feedback, LYNRED has improved its 12µm 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



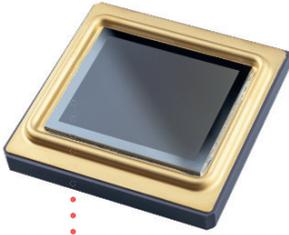
THERMOGRAPHY



ORDERING REFERENCE: ATTO1024-02™

# HIGHER SENSITIVITY FOR LIMITLESS APPLICATIONS

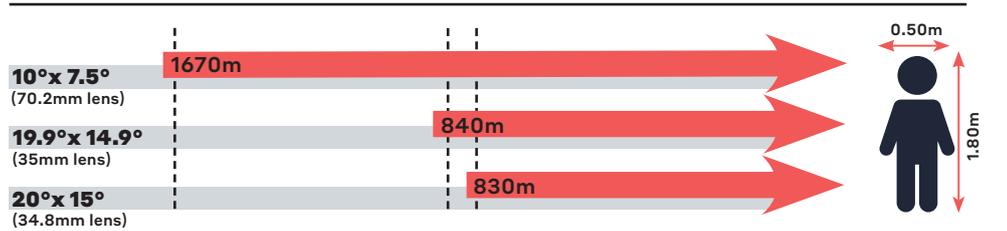
## ATTO1024-02™



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 <sup>2</sup> footprint
Flexible configuration	■ Full access to sensor features (I <sup>2</sup> C) ■ Free-run or external trigger mode
OPTIMIZED TOTAL COST OF OWNERSHIP	
Reduced optic size and cost	■ 12µm 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



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