

INFRARED DETECTOR

ATTO1280-02™

1280 × 1024 – 12µm

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

Offering high resolution images in the most compact packaging, ATTO1280-02™ combines key values to meet the requirements for long range and large FOV (field of view) of Surveillance and Security applications.

HIGHER SENSITIVITY FOR LIMITLESS APPLICATIONS



HIGH-QUALITY LARGE FOV IMAGES



LONGER RANGE



THE SMALLEST PACKAGING FOOTPRINT

SURVEILLANCE



LEISURE



THERMOGRAPHY



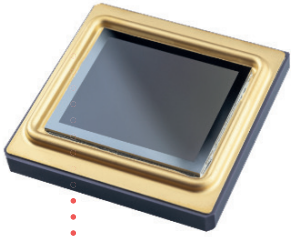
DEFENSE



ORDERING REFERENCE: ATTO1280-02™

HIGHER SENSITIVITY FOR LIMITLESS APPLICATIONS

ATTO1280-02™



COMPACT



LARGER FOV



LONGER RANGE



RELIABILITY

HIGH-QUALITY LARGE FOV

Resolution	■ 1280 × 1024
Sharp contrast	■ Thermal sensitivity < 50 mK, (f/1, 300K, 30Hz) ■ System NETD: 15-20mK using adapted noise reduction algorithms ■ [-40°C; +85°C] operating temperature range
Fluid and smooth image	■ Frame rate up to 60Hz
High uniformity	■ Array operability > 99.5 %

EASY IMPLEMENTATION

Smallest SXGA sensor on the market	■ 29.5 × 29.5 mm ² footprint
Flexible configuration	■ Full access to sensor features (I ² C) ■ Free-run or external trigger mode

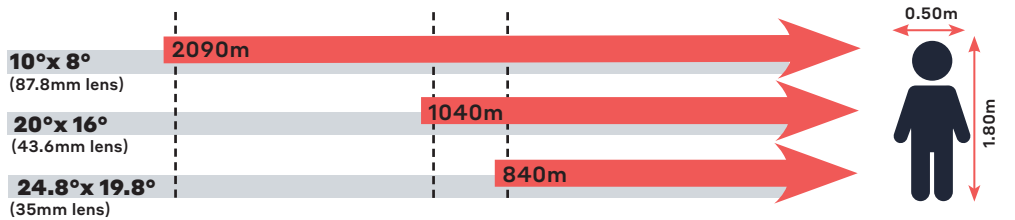
OPTIMIZED TOTAL COST OF OWNERSHIP

Reduced optic size and cost	■ 12µm pixel pitch
Simplified image processing	■ Shutterless compatible

PROVEN RELIABILITY

- Qualified for thermal weapon sight use
- Designed and manufactured in Europe
- Standard MIL810-MIL883

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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