

LYNRED®

See Beyond Horizons



INFRARED DETECTORS

YOCTO1024™

1024 x 768 - 8µm

To address the needs of increasingly demanding users, LYNRED has developed the YOCTO1024™. This 8µm Class bolometer is designed to succeed the 12µm VGA model. It has been specifically designed for the hunting market but is adapted to defense applications, suitable for portable applications such as binoculars, monoculars, riflescopes, and clip-on devices.

A COMPACT THERMAL SENSOR OFFERING A HIGH-RESOLUTION IMAGE

-  **HIGHER MAGNIFICATION (x 1.4)**
-  **COMPACT FOOTPRINT**
-  **ENHANCED IMAGE QUALITY**

HUNTING & LEISURE

DEFENSE

SURVEILLANCE

DRONES



ORDERING REFERENCE: YOCTO1024™

TECHNICAL DATA NOT CLASSIFIED UNDER EXPORT CONTROL REGULATION

●● A COMPACT THERMAL SENSOR OFFERING
A HIGH-RESOLUTION IMAGE ●●



MULTI-PURPOSE



HIGH
RESOLUTION



COMPACTY



LONGER RANGE



RELIABILITY

HIGH-QUALITY LARGE FOV

Resolution	■ 1024 x 768
Sharp contrast	■ Thermal sensitivity <55mK (f/1, 300K, 50Hz, T _{fpa} @25+/-5°C) ■ [-30°C to +70°C] operating temperature range
Fluid and smooth image	■ Full frame rate 50Hz (2 outputs)

EASY IMPLEMENTATION

Sensor size	■ <18 x 18 x 4.85 mm ³
Flexible configuration	■ Full access to sensor features (I ² C) ■ Free-run or external trigger mode

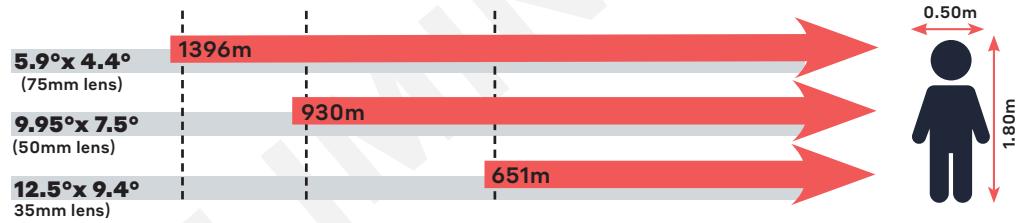
OPTIMIZED TOTAL COST OF OWNERSHIP

Reduced optic size and cost	■ 8.5µm pixel pitch
Simplified image processing	■ Shutterless eligible

PROVEN RELIABILITY

	■ Qualified for thermal weapon sight use ■ Designed and manufactured in Europe ■ Standard MIL810-MIL883
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Conditions: MODTRAN Mid Latitude Summer (+22°C at ground level); Rural 23 km visibility, Optic aperture F/1.00



LYNRED HEADQUARTERS
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