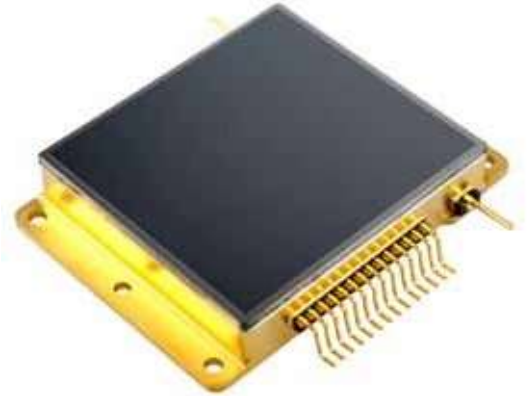


17  $\mu\text{m}$

THERMAL IMAGE SENSORS  
**Gen2**  
BY ULIS



PICO1024E-048

**Pico1024 Gen2™**

**1024 x 768**



**Military**



**Surveillance & Security**



**Thermography**

PICO1024E-048

Pico1024 Gen2™

1024 x 768 - 17 μm

## PERFORMANCE

- NETD < 50 mK (F/1, 300K, 30Hz)
- Frame rate up to 120Hz
- Typical array operability > 99.9%
- Low power consumption < 210 mW
- Extended operating temperature range:  
- 40 °C to + 85 °C
- Standards: MIL-STD-810 and -883
- Over exposure / Sun safe

## FEATURES

- Material: resistive amorphous silicon
- Spectral response: 8 - 14 μm
- Readout configuration driven by serial link
- Overall dimension (mm):  
41.2 x 30 x 6.6 pin out excluded
- Weight < 30 g
- Easy TEC-less implementation

High performance,  
high definition  
infrared imaging



- High resolution, high contrast imaging for long range detection
- Robust for extreme environments (e.g. TWS, RWS, situation awareness, UGS)
- Detects fast moving objects
- Reduced calibration time
- 24/7 surveillance capable
- Footprint compatible with Pico1024-Gen1 (UL05251-026)

## ULIS IN BRIEF

- A unique business model designed to serve OEMs
- High production capacity
- High-performance and cost-effective products
- Guaranteed product availability
- Customer partnership to assure success
- A dedicated customer support team



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