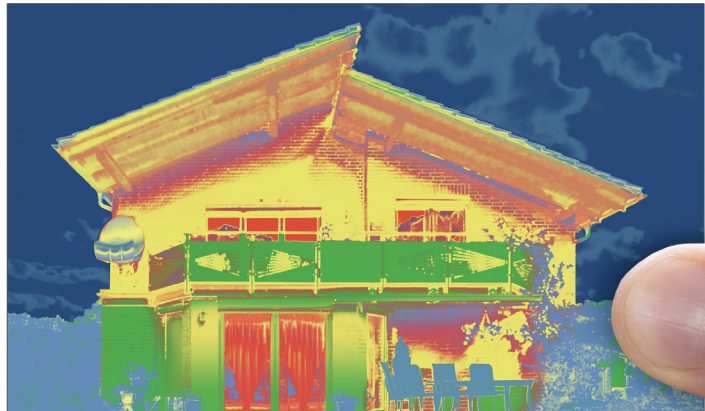
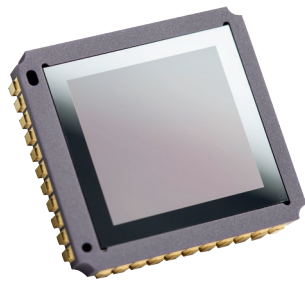


Thermal Image
Sensors



PICO 160 Gen2™

160 x 120 - 17 μm



A **SURFACE MOUNT DEVICE** AND MUCH, MUCH MORE !

The thermal image sensor, Pico160 Gen2, is designed to help manufacturers penetrate mass thermal detection markets. This full-digital surface mount device is built on proven technology,

limit development costs and shortening time to market, helping manufacturers get simple-to-use and truly competitive end products to the market.



THERMOGRAPHY



SURVEILLANCE
& UAV



LEISURE



FIREFIGHTING

+ SEAMLESS INTEGRATION

+ ENHANCED IMAGE QUALITY

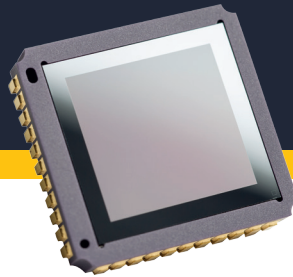
+ PROVEN RELIABILITY



PICO160 Gen2™

160 x 120 - 17 μm

A **SURFACE MOUNT DEVICE**
AND MUCH, MUCH MORE !



PRODUCT NUMBER: **PIC0160-054**

INCREDIBLE IMAGE QUALITY

“Capture even the tiniest details”

- Sharp contrast
 - Thermal sensitivity < 60 mK, (f/1, 300K, 60Hz)
 - [-40°C; +85°C] operating temperature range
- Fluid and smooth image
 - Frame rate up to 60Hz
 - Thermal time constant < 10 ms
- High uniformity
 - Array operability > 99.8 %

SEAMLESS INTEGRATION

“Ready for high volume production”

- Simplified electronic design
 - Full access to sensor features (I²C serial link)
 - Free run or external trigger mode
 - Full digital component
- High volume compliant
 - Surface Mount Device (J-Lead44)
 - JEDEC's reflow and handling standards compatible

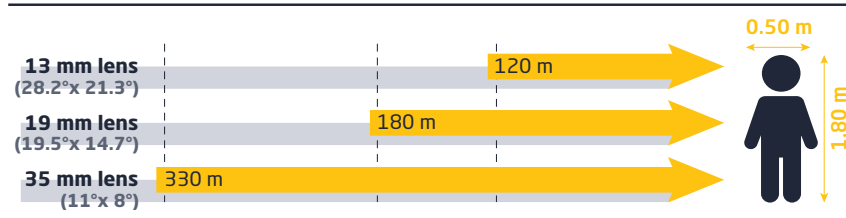
OPTIMIZED TOTAL COST OF OWNERSHIP

“Designed for cost optimized systems”

- Simplified image processing
 - Predictable behavior
 - TEClass, Shutterless compatible
- Battery optimization
 - Low power consumption < 220 mW - 60Hz
 - Digital mode
- Proven reliability
 - Standards MIL810 - MIL883



Recognition distance for human 1.80 m x 0.50 m



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Specifications are subject to change

