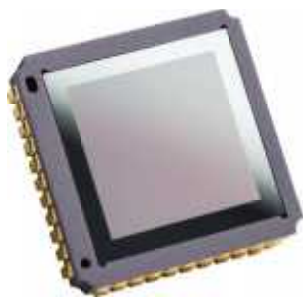


Thermal Image  
Sensors

atto<sup>320</sup>™

320 x 240 - 12 μm



## THE BEST OF ULIS IN 12 μm PIXEL PITCH

Based on continuous feedback from our customers and proactively collecting their needs, Atto320 is the first 12 μm technology thermal imager developed by ULIS.

Offering high quality moving images and low power consumption, Atto320

combines key values to meet the requirements of Leisure, Surveillance, Thermography and Firefighting applications.

With Atto320, you benefit from the best of ULIS's expertise in 12 μm pixel pitch.



LEISURE



SURVEILLANCE



THERMOGRAPHY



FIREFIGHTING

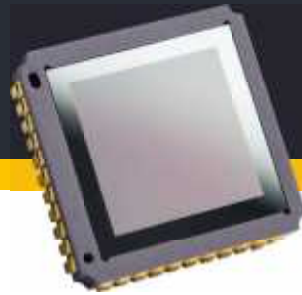
**+ HIGH-QUALITY MOVING IMAGES**

**+ EASY IMPLEMENTATION**

**+ OPTIMIZED TOTAL COST OF OWNERSHIP**

atto<sup>320</sup><sup>TM</sup>

320 x 240 - 12 μm



THE BEST OF ULIS  
IN 12 μm PIXEL PITCH

PRODUCT NUMBER: ATTO320-058

“Capture even the tiniest details”

#### HIGH-QUALITY MOVING IMAGES

- Sharp contrast
  - Thermal sensitivity < 60 mK, (f/1, 300K, 60Hz)
  - [-30°C; +60°C] operating temperature range
- Fluid and smooth image
  - Frame rate up to 60Hz
  - Thermal time constant < 10 ms
- High uniformity
  - Array operability > 99.5 %

“Ready for high volume production”

#### EASY IMPLEMENTATION

- Simplified electronic design
  - Full digital component
- High volume compliant
  - Surface Mount Device (J-Lead44)
  - JEDEC's reflow and handling standards compatible
- Flexible configuration
  - Full access to sensor features (I<sup>2</sup>C)
  - Free run or external trigger mode

“Designed for cost optimized systems”

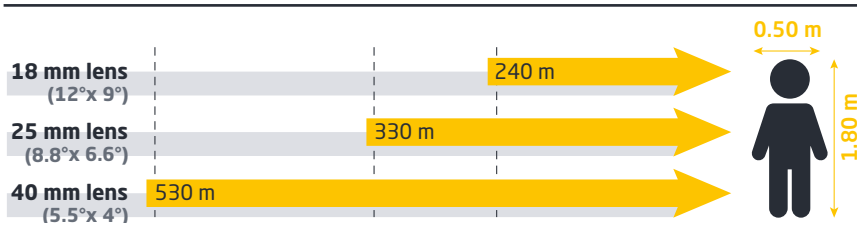
#### OPTIMIZED TOTAL COST OF OWNERSHIP

- Reduced optic size and cost
  - 12 μm pixel pitch
- Product platform
  - Fully compatible with PIC0384-053 (17 μm)
- Simplified image processing
  - Predictable behavior
  - TEClass, Shutterless compatible
- Battery optimization
  - Low power consumption < 220 mW - 60Hz
  - Digital mode

PIC0384-053 (17 μm)  
FULL COMPATIBILITY ✓



#### Recognition distance for human 1.80 m x 0.50 m



364, Route de Valence  
Actipole - CS 10027  
38113 Veurey-Voroize  
FRANCE

Phone: +33 (0) 4 76 53 74 70  
sales@ulis-ir.com

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