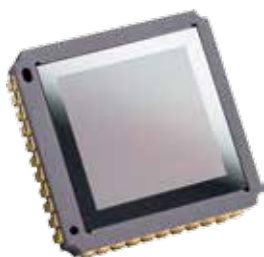


# atto<sup>320</sup><sup>™</sup>

320 x 240 - 12  $\mu\text{m}$



## THE BEST OF ULIS IN 12 $\mu\text{m}$ PIXEL PITCH

Based on continuous feedback from our customers and proactively collecting their needs, Atto320 is the first 12  $\mu\text{m}$  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  $\mu\text{m}$  pixel pitch.



LEISURE



SURVEILLANCE



THERMOGRAPHY



FIREFIGHTING

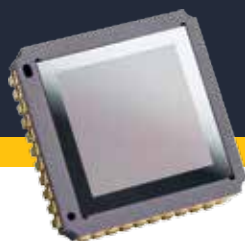
**+ HIGH-QUALITY MOVING IMAGES**

**+ SEAMLESS INTEGRATION**

**+ OPTIMIZED TOTAL COST OF OWNERSHIP**

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

320 x 240 - 12  $\mu$ m



## THE BEST OF ULIS IN 12 $\mu$ m PIXEL PITCH

“Capture even the tiniest details”

### HIGH-QUALITY MOVING IMAGES

- Sharp contrast
  - Thermal sensitivity < 60 mK, (f/1, 300K, 30Hz)
  - [-20°C; +60°C] operating temperature range
- Fluid and smooth image
  - Frame rate: 30Hz
  - Thermal time constant < 10 ms
- High uniformity
  - Array operability > 99.5 %

“Ready for high volume production”

### SEAMLESS INTEGRATION

- 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”

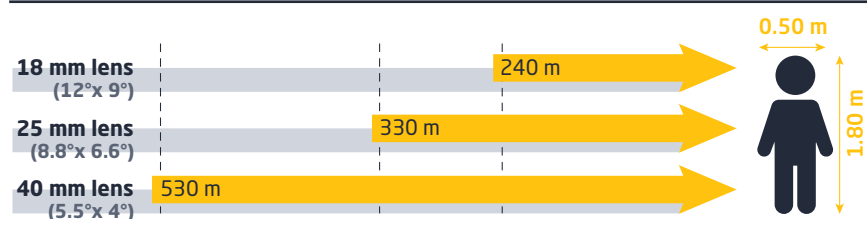
### OPTIMIZED TOTAL COST OF OWNERSHIP

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

PIC0384-053 (17  $\mu$ m) COMPATIBLE



Recognition distance for human 1.80 m x 0.50 m



Specifications are subject to change

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