

**atto<sup>320</sup>**  
 320 x 240 – 12 μm

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

Offering high quality moving images and low power consumption, Atto320 combines key values to meet the requirements of Leisure, Surveillance, Thermography and Firefighting applications.

## LATEST LYNRED PRODUCT GENERATION



**HIGH QUALITY MOVING IMAGES**



**SEAMLESS INTEGRATION**

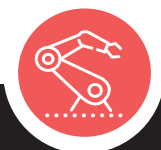


**OPTIMIZED TOTAL COST OF OWNERSHIP**

LEISURE

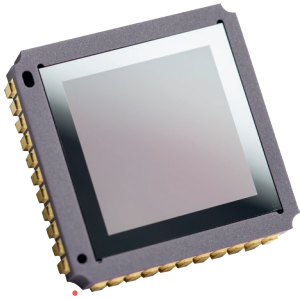
SURVEILLANCE

INDUSTRY



●● LATEST LYNRED PRODUCT GENERATION ! ●●

atto<sup>320</sup>



HIGH-QUALITY MOVING IMAGES

Sharp contrast	<ul style="list-style-type: none"> <li>Thermal sensitivity &lt; 60 mK (f/1, 300K, 60Hz)</li> <li>[-40°C; +85°C] operating temperature range</li> </ul>
Fluid and smooth image	<ul style="list-style-type: none"> <li>Frame rate up to 60Hz</li> <li>Thermal time constant 10 ms</li> </ul>
High uniformity	<ul style="list-style-type: none"> <li>Array operability &gt; 99.5%</li> </ul>

SEAMLESS INTEGRATION

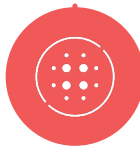
Simplified electronic design	<ul style="list-style-type: none"> <li>Full digital component</li> </ul>
High volume compliant	<ul style="list-style-type: none"> <li>Surface Mount Device (J-Lead44)</li> <li>JEDEC's reflow and handling standards compatible</li> </ul>
Flexible configuration	<ul style="list-style-type: none"> <li>Full access to sensor features (FC)</li> <li>Free run or external trigger mode</li> </ul>

OPTIMIZED TOTAL COST OF OWNERSHIP

Reduced optic size and cost	<ul style="list-style-type: none"> <li>12 μm pixel pitch</li> </ul>
Simplified image processing	<ul style="list-style-type: none"> <li>Predictable behavior</li> <li>TECless, Shutterless compatible</li> </ul>
Battery optimization	<ul style="list-style-type: none"> <li>Low power consumption &lt; 220 mW</li> <li>Digital mode</li> </ul>



COMPACT



FULL DIGITAL

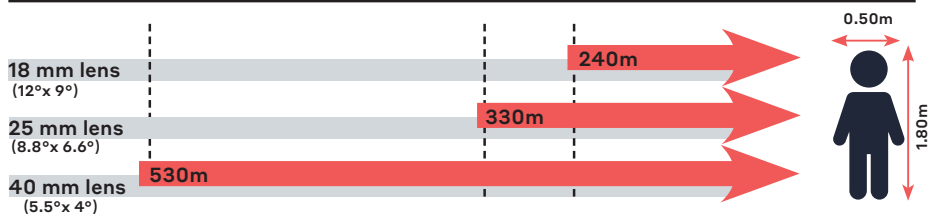


LOW POWER CONSUMPTION

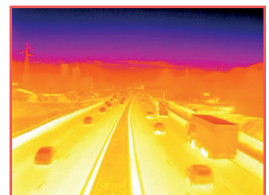
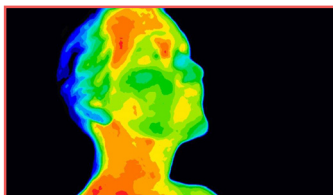


SEAMLESS INTEGRATION

Recognition distances for human measuring 1.80 m x 0.50 m



Range for Johnson's criteria, target deltaT = 2K, perfect atmospheric and optics transmissions, theoretical square pixel.



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