



LYNRED®

See Beyond Horizons

# ATI320™

320 x 240 – 12µm

ADVANCED THERMAL IMAGER

## READY TO SENSE, READY TO IMAGE



ATI320™ is a compact-sized thermal imager, weighing only **7g** and equipped with **embedded shutterless** image correction. This innovative design effectively meets the demanding requirements of compact camera needs.

The **Advanced Thermal Imager ATI320™** provides a versatile and efficient solution for various thermal imaging applications.

Specifically engineered for **high-volume** integration and automated handling, the ATI320™ offers camera makers unparalleled performance in an incredibly lightweight package.



**HIGH IMAGE QUALITY WITH EMBEDDED CORRECTION**



**SWaP**



**ACCELERATE YOUR CAMERA DEVELOPMENT**



DRONE



FIREFIGHTING



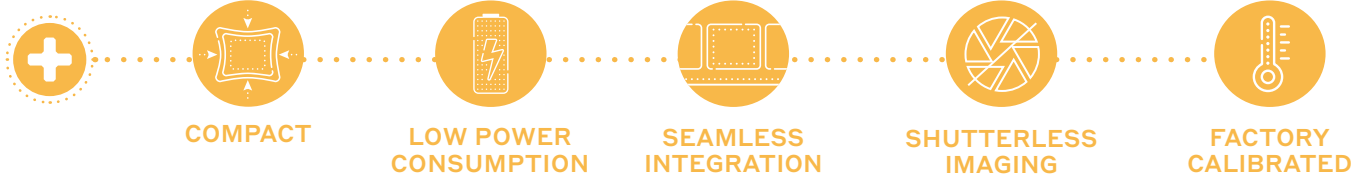
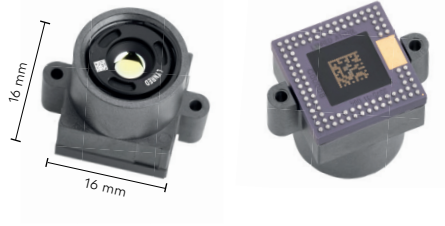
SURVEILLANCE

ORDERING REFERENCE: ATI320L42-02™; ATI320L28-02™; ATI320L70-02™

TECHNICAL DATA NOT CLASSIFIED UNDER EXPORT CONTROL REGULATION

# •• ATI320™: READY TO SENSE, READY TO IMAGE ••

ATI320L™



## KEY FEATURES

Shutterless design for uninterrupted imaging	■ ATI320™ incorporates an embedded proprietary shutterless image processing enabling continuous imaging.
Shaped for high volume integration	■ ATI320™ has been designed as a component enabling high volume integration, thanks to its BGA (Ball Grid Array) package.
Flexible and versatile solution	■ Available in various lens configuration; ATI320™ provides the best versatility to match camera makers needs

## MAIN TECHNICAL ATTRIBUTES

Resolution; pixel pitch	■ 320 x 240; 12µm pixel pitch		
Sensor performance: NETD (60 Hz, F/1, 300 K)	■ < 50 mK		
NUC (Non Uniformity Correction) and BPR (Bad Pixel Replacement)	■ Factory calibrated and compensated		
Operating temperature (FPA temperature)	■ [-40°C to +85°C]		
Frame rate	■ 60 Hz full frame		
Power dissipation (ambient temperature)	■ < 400mW		
Time to first image	■ < 4 seconds		
Latency	■ 5 lines		
Packaging	■ Type: Ceramic BGA (Ball Grid Array) ■ Size: 16 x 16 x 17,9 mm (excluding fasteners and balls) ■ Weight: 7,5g		
Focus range	ATI320L28-02™	ATI320L42-02™	ATI320L70-02™
EFL	■ 3m to ∞	■ 1m to ∞	■ 0.4m to ∞
F/#	■ 7.8mm	■ 5.3mm	■ 3.15mm
HFOV	■ 1.0	■ 1.3	■ 1.2
	■ 28.1°	■ 40.8°	■ 70.0°
Qualification	■ MIL-STD-883H, ML-STD-810G		
Regulatory	■ REACH; ROHS		



### LYNRED HEADQUARTERS DEVELOPMENT & PRODUCTION CENTER

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