

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



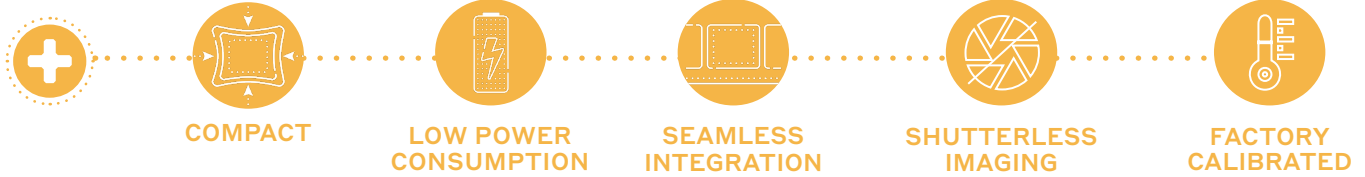
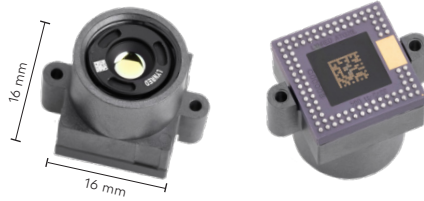
FIREFIGHTING



SURVEILLANCE

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

ATI320L



COMPACT

LOW POWER CONSUMPTION

SEAMLESS INTEGRATION

SHUTTERLESS IMAGING

FACTORY CALIBRATED

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		



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