

# DEVELOPMENT KIT ATOM320 Gen 2 SC

## DISCOVER ATOM320 GEN 2 SC: DEVELOPMENT KIT FOR YOUR INTEGRATION REQUIREMENTS




ATOM320 Gen 2 SC Development Kit: AT1320S + Proxy Board + Lens Mount + USB3A I/O Board

The LYNRED USA ATOM320 Gen 2 SC Development Kit is comprised of the ATOM320 Gen 2 SC, a **compact-sized** thermal imaging camera core with **embedded image correction** and shutterless imaging, a USB3A Interface Board, and all of the accessories required for your development needs.

**Designed, engineered, & manufactured in the United States**, the ATOM320 Gen 2 SC is the latest revolutionary 12 micron technology in one of the most compact packages available on the market.

### MAIN TECHNICAL ATTRIBUTES

Resolution; pixel pitch	■ 320 x 240 ; 12µm pixel pitch
Sensor performance: NETD (60 Hz, F/1, 300 K)	■ < 60 mK
NUC (Non Uniformity Correction) and BPR (Bad Pixel Replacement)	■ Factory pre-calibrated and compensated
Frame rate	■ 60 Hz full frame
Time to first image	■ < 4 seconds
Latency	■ 5 lines
Interface	■ 14 bits parallel LVCMOS

CONFIGURATION	ELECTRICAL MOUNTING	DIMENSIONS L X W X H MM	LENS	INTERFACE	WEIGHT	AMBIENT
ATOM320 GEN 2 SC 	Hirose 0.5 mm 40Pin	17.5 x 17.5 x 7.8 w/o lens	M12 supported	Single Rail 4.5-5.5 V (typical USB levels)	8.5 g. w/out lens	-40° - 60° C

