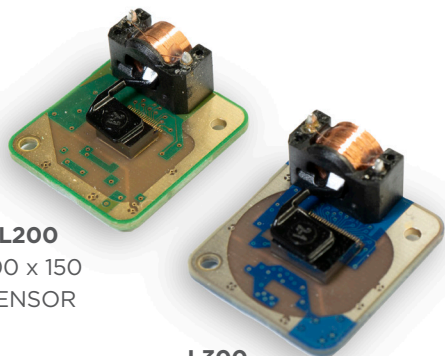


Seek Sensor Boards



L200 AND L300 SERIES:
UNCOOLED INFRARED SENSOR BOARD

thermal.com



L200
200 x 150
SENSOR

L300
320 x 240
SENSOR

Need to see farther? Seek offers customers the opportunity to purchase sensor boards without a housing or lens. This allows customers to create their own housings to accommodate larger or customized lens solutions.

Seek L-Series sensor boards are a highly adaptable version of the Mosaic Core technology. The sensor board includes Seek Thermal's patented 200 x 150 pixels or 320 x 240 pixels, 12 μ m pixel pitch, microbolometer detector array with Mixed Gain pixel technology at an affordable cost.

The L200 & L300 Series are the premier option for incorporating Seek Thermal's technology at the lowest price available.

Designed and Manufactured in the USA with Global Components. NDAA Compliant.



Specifications	Description	
	L200 Series	L300 Series
Models / PNs	L200 Series	L300 Series
Microbolometer	Uncooled Vanadium Oxide	
Pixel Pitch	12 Microns	
Spectral Response	7.8 - 14 Microns	
Sensor Resolution (Array Format)	200 (h) x 150 (v) 30,000 pixels	320 (h) x 240 (v) 76,800 pixels
Frame Rate	< 9 Hz Up to 32 Hz	< 9 Hz Up to 27 Hz
Imaging Range	-40°C to 330°C	
Sensor Sensitivity ¹	65 mK (typical), <100 mK (max) @ 25°C	
Non-Uniformity Correction	Automatic NUC (with shutter)	
Video Output Interfaces	USB	
Supply Voltage	3.3V to 5.0V	
Power: Core Only	<50mW	
Power: Core + Interface Board	300mW	
Output Frame Formats		
Supported OS	Linux / Windows SDK	Android SDK
Partially Processed	16-bit Corrected or pre AGC	16-bit filtered pre AGC
Colorized Display	ARGB888, RGB565, AYUV, or YUY2	32-bit ARGB post colorization
B/W Display	8-bit Greyscale	NA
Mechanical		
Sensor Board Size (L x W x H)	18.5 x 16.4 x 9.5mm	
Sensor Board Weight	1.5g	

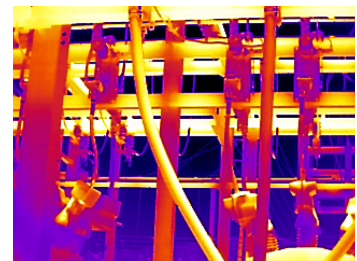
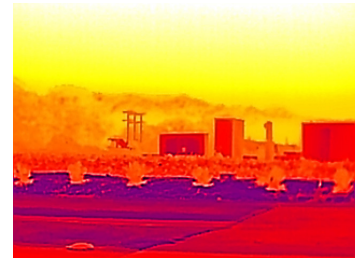
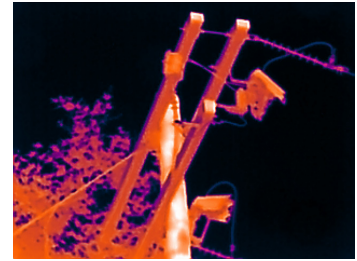


Image corrected at Seek Thermal Headquarters using 9.1mm lens.

1. Specification typical with f/1.0 lens

PERECT FOR:

- Drones
- Long Range Security Cameras
- Monoculares & Scopes
- Maritime Cameras
- Outdoor Industrial Inspection



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Seek Thermal engineers, designs and manufacturers high quality thermal imaging products and core platforms for consumer, commercial, and heat sensing IoT data applications. With headquarters in Santa Barbara, California, the global hub of thermal imaging innovation, the company has developed breakthrough thermal imaging camera cores that will enable a range of affordable products for use at home, work and play. For more information visit thermal.com and follow #seekthermal on Instagram and @seekthermal on Twitter.