Mosaic Core Specification

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	Mktg Rev. 3	11/05/2021
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7.8 - 14 Microns		
320 (h) x 240 (v); 76,800 pixels		
Slow Frame - <9Hz		
Automatic NUC (with shutter)		
USB		
3.3-5.0V, <50mW (Core only), 300mW (Cor	e + Coprocessor Board)	
2.2mm EFL		
f/1.05		
5.23		
105° Horizontal x 75° Vertical		
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	Coro Woight: 9 g	
10111111 x 20111111 x 21111111	Core Weight. 8 g	
LICE Cook Linear Windows C. Android CDV		
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	32-bit floating point or 16-bit fixed	point thermography data.
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Thermal Image only. No temperature specif	ication	
65 mK (typical), <100 mK (max) @ 25°C		
Factory default emissivity is set to 0.97. Emissivity is adjustable using the SDK.		
-10°C to +60°C (-14°F to 140°F)		
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Yes		
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NOTIO, WELL, ILLINOIT		
Yes CUSHION THERMAL BRACKET CAMERA	SENSOR FLEX INTERFACE USB FLEX BOARD	
Yes		
Yes 🕠 📦	Tot analytes	
THERMAL CORE	COPROCESSOR BOARD AND INTERFACE KIT Provided by Seek or receive design files for	
	integration into other electronics	
NI/A		
IN/A		
	Description Uncooled Vanadium Oxide 12 Microns 7.8 - 14 Microns 320 (h) x 240 (v); 76,800 pixels Slow Frame - <9Hz Automatic NUC (with shutter) USB 3.3-5.0V, <50mW (Core only), 300mW (Core 2.2mm EFL f/1.05 5.23 105° Horizontal x 75° Vertical 186m (based on Johnson Criteria) 46m (based on Johnson Criteria) 27m (based on Johnson Criteria) 31:1 10mm x 20mm x 21mm USB: Seek Linux, Windows, & Android SDK Linux / Windows SDK 16-bit filtered pre AGC 32-bit ARGB post colorization. 32-bit floating point or 16-bit fixed point Calibrated Output in °C, °F, K -40°C to +330°C at ambient operating tempor Thermal Image only. No temperature specification of the colorization of the coloriz	Description Uncooled Vanadium Oxide 12 Microns 7.8 - 14 Microns 3.20 (h) x 240 (v); 76,800 pixels Slow Frame - <9Hz Automatic NUC (with shutter) USB 3.3-5.0V, <50mW (Core only), 300mW (Core + Coprocessor Board) 2.2mm EFL f/1.05 5.23 186m (based on Johnson Criteria) 186m (based on Johnson Criteria) 46m (based on Johnson Criteria) 27m (based on Johnson Criteria) 31:1 10mm x 20mm x 21mm



