

OVERVIEW		
THERMAL IMAGER	Uncooled VOx Microbolometer	
Resolution	640×512	336×256
Lens Options	9 mm; 69° x 56° 13 mm; 45° x 37° 19 mm; 32° x 26°	6.8 mm; 45° x 34° 9 mm; 35° x 27° 13 mm; 25° x 19°
Spectral Band	7.5 – 13.5 μm	
Full Frame Rates	30 Hz (NTSC); 25 Hz (PAL)	
Exportable Frame Rates	7.5 Hz (NTSC); 8.3 Hz (PAL)	
PHYSICAL ATTRIBUTES		
Size	2.26" x 1.75" (including lens)	
Weight	3.25 – 4 oz (Configuration Dependant)	
Precision Mounting Holes	Two M2x0.4 on each of two sides & bottom One 1/4-20 threaded hole on top	
IMAGE PROCESSING & DISPLAY CONTROLS		
Image Optimization for sUAS	Yes	
Digital Detail Enhancement	Yes – Adjustable in GUI	
Invertable Image?	Yes – Adjustable in GUI	
Polarity Control (black hot/whitehot) & Color Palettes	Yes – Adjustable in GUI	
INTERFACING		
Input Power (max 2.5 amp during shutter)	4.0 – 6.0 VDC	
Power Dissipation (steady state)	<1.2 W	~1.0 W
ENVIRONMENTAL		
Operating Temperature Range	-20°C to +50°C	
Non-Operating Temperature Range	-55°C to +95°C	
Operational Altitude	+40,000 feet	