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NEW

FLIR VUE™ PRO R

Radiometric Thermal Camera for sUAS









AERIAL RADIOMETRIC THERMAL IMAGING WITH VUE PRO R

The new Vue Pro R from FLIR gives drone operators and certified thermographers the power to gather accurate, non-contact temperature measurements from an aerial perspective. Every still image the Vue Pro R saves contains accurate, calibrated temperature data embedded in every pixel, adding even more value to your sUAS operations and services than ever. Still delivering the same industry-leading thermal imaging quality, interfaces, and capability as the best-selling Vue Pro, the Vue Pro R adds fully radiometric data-gathering to sUAS applications as diverse as building and roof inspections, power grid inspections, infrastructure analysis, precision agriculture, and public safety.

RADIOMETRIC THERMAL IMAGING FOR SUAS

- Accurate real-time, non-contact temperature measurement of vital structures and equipment
- Saves Radiometric JPEGs (RJPEGs) with temperature data embedded in every pixels
- Compatible with FLIR Tools for full post-flight analysis and report generation

RECORD THERMAL IMAGES TO AN ON-BOARD MICRO-SD CARD

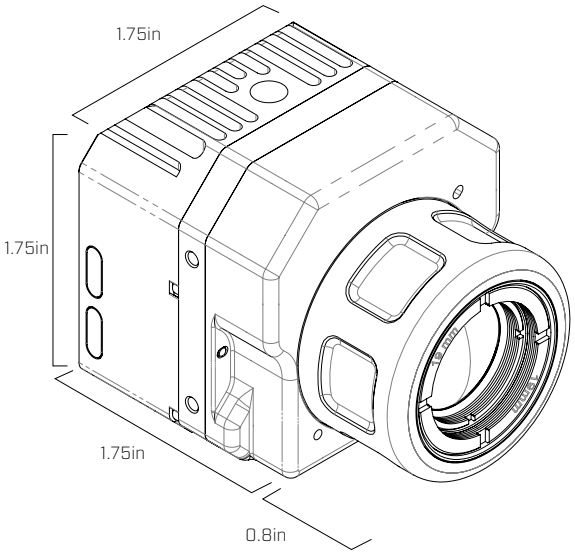
- Record real-time thermal videos in MOV format
- Save 8-bit or 14-bit still images as JPEG, RJPEG, or TIFF formats
- MAVLink integration with convenient over RS-232 connection

FLEXIBLE CAMERA CONTROL AND CONFIGURATION OPTIONS

- Adjust camera functions with PWM inputs from your controller
- Configure your camera's recording and control settings with the Vue Pro mobile app
- Field-upgradeability makes sure you'll always have the latest features
- Simple power-in/analog video-out interface over 10-pin mini-USB connector
- Image settings optimized for airborne operations

Specifications

Overview		
Thermal Imager	Uncooled VOx Microbolometer	
Resolution	640 × 512	336 × 256
Lens Options	9 mm; 69° × 56° 13 mm; 45° × 37° 19 mm; 32° × 26°	6.8 mm; 45° × 35° 9 mm; 35° × 27° 13 mm; 25° × 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)	
Measurement Accuracy	+/-5°C or 5% of reading	
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 - Selectable in GUI	
Polarity Control (black hot/white hot) & Color Palettes	Yes - Selectable in GUI	
Interfacing		
Input Supply Voltage	4.0 - 6.0 VDC	
Power Dissipation, steady state (max.2.5W during shutter event of approximately 0.5 seconds)	<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	



FLIR VUE PRO APPS AVAILABLE

Available on the App Store

ANDROID APP ON Google play

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