



FLIR VUE™ PRO

Thermal Camera for sUAS



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Drone Thermal Imaging

Imagery optimized for airborne operations in a wide variety of environment.



On-Board Recording

Records digital thermal video and stills to an on-board microSD card



Easy Installation

Accepts 5VDC input power and outputs analog video



PWM Control

Configure and control the camera in the air with up to four PWM inputs



Easy Set-up & Configuration

Mobile app (iOS and Android) and built-in Bluetooth makes camera set-up a snap



MAVLink Interface

Trigger automated image capture and geo-tag images for mapping & survey missions

Designed for professional use, FLIR Vue Pro is more than a thermal camera, it is a thermal measurement instrument and data recorder that adds tremendous value to your sUAS operations and services.

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Model Number	Vue Pro 640	Vue Pro 336
Thermal Imager	Uncooled VOx Microbolometer	
Resolution	640 × 512	336 × 256
Lens Options (FOV for Full-Sensor Digital Output)	9 mm; 69° × 56° 13 mm; 45° × 37° 19 mm; 32° × 26°	6.8 mm; 44° × 35° 9 mm; 35° × 27° 13 mm; 25° × 19°
Lens Options* (FOV for NTSC Analog Output)	9 mm; 62° × 49° 13 mm; 45° × 35° 19 mm; 32° × 24°	6.8 mm; 44° × 33° 9 mm; 34° × 26° 13 mm; 24° × 18°
Spectral Band	7.5 - 13.5 μm	
Full Frame Rates	30 Hz (NTSC); 25 Hz (PAL) <i>US only, not for Export</i>	
Exportable Frame Rates	7.5 Hz (NTSC); 8.3 Hz (PAL)	
Physical Attributes		
Size	2.26" × 1.75" (57.4 × 44.4 mm) (including lens)	
Weight	3.25-4 oz (92.1 – 113.4 g) (configuration dependent)	
Precision Mounting Holes	Two M2x0.4 on each of two sides & bottom One 1/4-20 threaded hole on top	



Vue Pro MODELS

- 336x256 Resolution with 6.8mm Lens
- 336x256 Resolution with 9mm Lens
- 336x256 Resolution with 13mm Lens
- 640x512 Resolution with 9mm Lens
- 640x512 Resolution with 13mm Lens
- 640x512 Resolution with 19mm Lens

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Image Processing & Display Controls

Image Optimization for sUAS	Yes
Digital Detail Enhancement	Yes - Adjustable in App
Scene Presets & Image Processing?	Yes - Adjustable in App
Invertable Image?	Yes - Adjustable in App
Color Palettes	Yes - Adjustable in App and via PWM
Zoom	Yes - Adjustable in App and via PWM

Interfacing

Input Voltage	4.8 - 6.0 VDC
Power Dissipation (peak)	2.1 W (3.9 W)

Environmental

Operating Temperature Range	-20°C to +50°C
Non-Operating Temperature Range	-55°C to +95°C
Operational Altitude	+40,000 feet

Power/Video Module (Optional Accessory)

Input Power Range	5 VDC - 28 VDC
Reverse Polarity Protection?	Yes
Analog Video Output?	Yes
HDMI Output	1280 × 720 @ 50hz, 60hz

