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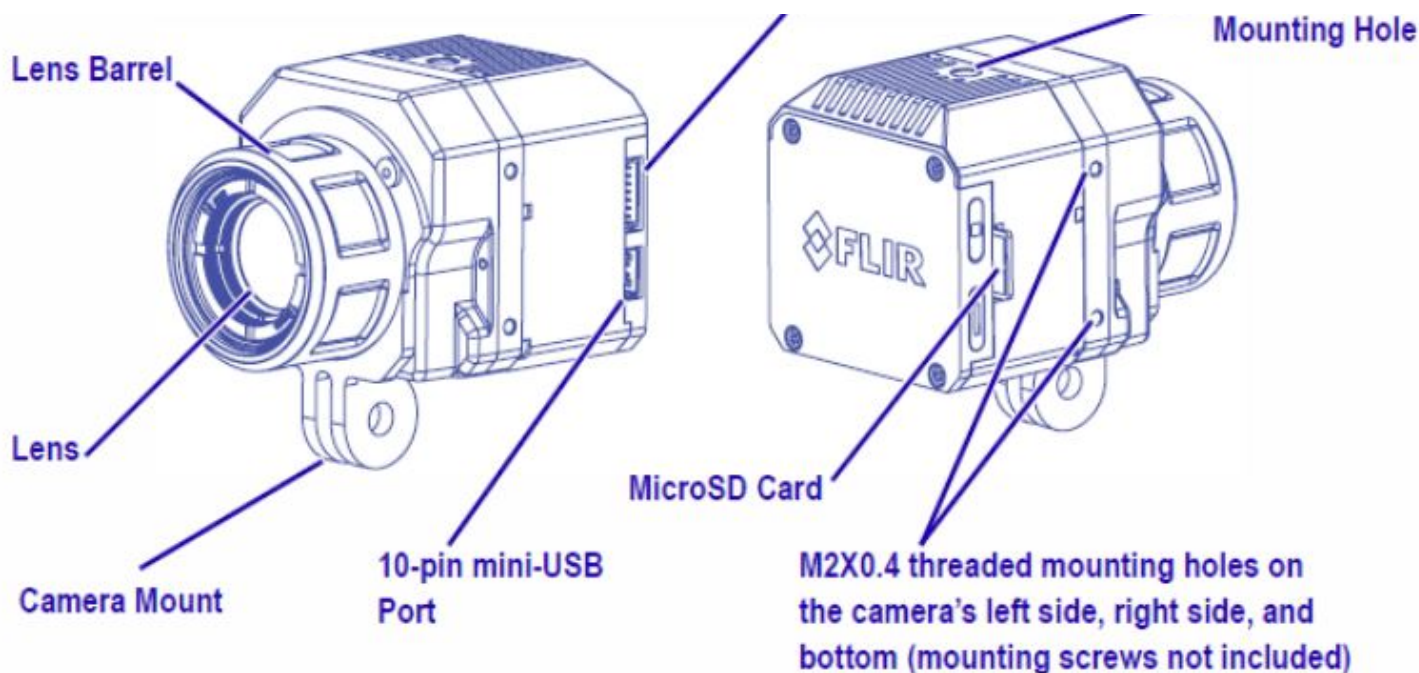
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# FLIR VUE PRO R Sensor

BY

**KAMBILL SYSTEMS PVT. LTD.**





## ABOUT THE PRODUCT

The Vue Pro R equips drone operators and certified thermographers with the capability to acquire precise temperature measurements through aerial imagery. Each saved image includes calibrated temperature data within each pixel, enhancing the value of drone operations. With radiometric data integration, Vue Pro R enhances applications such as building inspections, power grid analysis, agriculture, and public safety, enabling comprehensive and accurate data collection from an aerial perspective.

## APPLICATIONS



Building and Roof Inspections



Precision Agriculture



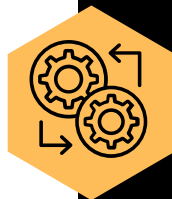
Public Safety and Emergency Response

## FEATURES



### ENHANCED sUAS OPERATIONS

The Vue Pro R adds significant value to small Unmanned Aerial Systems (sUAS) operations. By offering calibrated temperature data, it elevates the quality and scope of services provided by drone operators and certified thermographers.



### RADIOMETRIC DATA INTEGRATION

The camera's radiometric capabilities allow for fully calibrated data gathering. This feature enhances various applications, such as building and roof inspections, infrastructure analysis, precision agriculture, and public safety, by enabling comprehensive temperature analysis.



### ACCURATE TEMPERATURE MEASUREMENTS

This thermal imaging camera provides non-contact, accurate temperature measurements from the air. Every still image captured contains calibrated temperature data embedded within each pixel, ensuring reliable and precise temperature readings.

## CONTACT US



## SPECIFICATIONS

### CONNECTIONS & COMMUNICATIONS

#### Analog Video Output

Yes

#### ELECTRICAL

#### Input Voltage

4.8-6.0 VDC

#### Power Dissipation [peak]

2.1 W (3.9 W)

#### ENVIRONMENTAL & APPROVALS

#### Non-Operating Temperature Range

-55°C to +95°C

#### Operating Temperature Range

-20°C to +50°C

#### Operational Altitude

+40,000 feet

#### IMAGING & OPTICAL

#### Color Palettes

Yes – Adjustable in App and via PWM

#### Frame Rate

7.5 Hz (NTSC); 8.3 Hz (PAL)

#### HDMI Output

1280x720 @ 50hz, 60hz

#### Image Optimization

Yes

#### Invertable Image

Yes - Adjustable in App

#### IR Camera Resolution

336 × 256

#### Lens

13 mm; 25° × 19°

#### Lens Options [FOV for NTSC Analog Output]

13 mm; 24° × 18°

#### Scene Presets & Image Processing

Yes - Adjustable in App

#### Spectral Band

7.5 - 13.5 μm

#### Thermal Imager

Uncooled VOx Microbolometer

#### MECHANICAL

**Get in touch:**

[Sales@kambillsystems.com](mailto:Sales@kambillsystems.com)

**Precision Mounting Holes**

Two M2x0.4 on each of two sides & bottom One 1/4-20 threaded hole on top

**Size**

2.26" x 1.75" (including lens)

**Weight**

3.25 - 4 oz (Configuration Dependant)

**Zoom**

Yes – Adjustable in App and via PWM

OPTIONAL POWER & HDMI VIDEO MODULE

**Input Power Range**

5 VDC – 28 VDC

**Reverse Polarity Protection**

Yes

RADIOMETRY

**Radiometric Accuracy**

+/-5°C or 5% of reading

**Get in touch:**

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