

# ThermalCapture Fusion Zoom.

World's first fully aligned, super-lightweight zoom-able dual camera.  
For professional drone operations.



## TOP Features



**Alignment**  
Of thermal +  
RGB



**Overlay**  
Thermal +  
Visual



**Digital**  
Radiometric  
data



**Visual Stabilized**  
Optical vibration-  
compensation



**Visual Zoom**  
10x times  
optical zoom



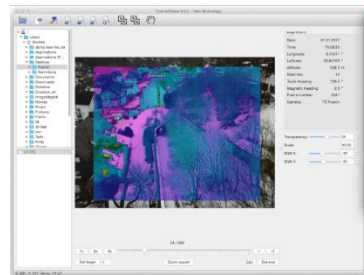
**Geo-Referenced**  
Position + Time  
storage



**Controllable**  
Remote via  
S-BUS / PWM

## Introduction

ThermalCapture **Fusion Zoom** is a dual camera (thermal & visual) especially designed for small drones. It stores full digital 14-bit radiometric thermal data as well as full digital visual data - both, completely aligned. With its lightweight design and 10x times (visual) optical zoom capability, it is the perfect and very flexible tool for unmanned operations within thermal mapping, security operations but also high level industrial inspections. Live view comes via analog video (PAL) and HDMI.



## Specifications



**Dimensions:**  
94x69x51 mm  
3.7x2.72x2.0 in

**Weight:**  
275 gram  
0.61 lb

**Data output:**  
microSD card  
HDMI / AV (PAL)

**Interfaces:**  
MAVlink, NMEA,  
S-BUS, PWM

**Housing:**  
Carbon,  
Aluminum

**Post-processing:**  
ThermoViewer,  
FLIR Tools

**Thermal sensor:**  
FLIR Tau 2 640 13mm  
Resolution 640 x 512 pixel

**Thermal sensitivity:**  
0.05K (performance grade) or  
0.03K (industrial grade)

**Visual sensor:**  
TAMRON 1080p 10x zoom  
Resolution 1920 x 1080 pixel