



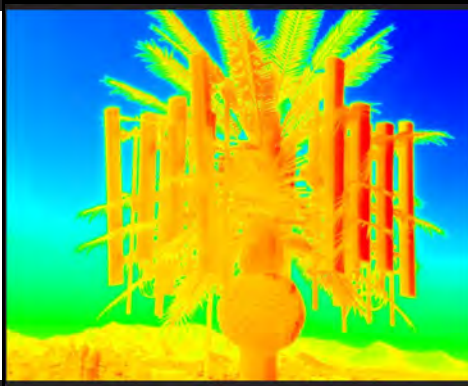
## Level I Thermography Course for sUAS

### Attendees learn how to

This 4 day seminar teaches attendees to Interpret IR images and data and apply this knowledge to sUAS operations.

### Attendees will leave with

Upon completion of the course students will earn their Level I Thermography certification



### The course is designed for

Drone users who need to understand how thermal IR cameras works and the principles of IR thermography.

### Course Delivery

This is a 4 day, live seminar held in a classroom setting. Students must pass an exam at the end of the course to receive their certification.

## Course Content

The course will cover everything that a sUAS operator will need to successfully utilize Thermal imaging sensors in the field. It will also result in an industry recognized certification. We cover, in detail, the following subject areas:

- The Basic Physics of Matter
- Heat and Temperature
- Heat Transfer
- Radiosity
- Infrared Equipment Operation
- Temperature and Measurement
- The Environment and Support Equipment
- Applications (see below)
- Reports and Software
- Level 1 Examination

## Applications

### How to Make Money Using Thermal Imaging in UAS Operations

Flat roof building inspections  
Inspecting building envelopes  
Telecommunication tower inspection  
Electric utility sub-station inspection  
Why IR Thermography is valuable in agriculture  
IR imaging for identification of plant species  
Oil Exploration

Environmental outfall  
Optical gas imaging  
Pipeline inspections  
Petrochemical plant inspections  
IR imaging for bridge inspections  
Wildlife management and tracking  
Solar Field Inspections



**Gary Strahan**

Founder/CEO Infrared Cameras Inc.