

# Wildfire/Bushfire Detection

Fighting forest fires is considered to be one of the most important roles in the protection and preservation of natural resources. Vortex Edge utilize the use of high performance thermal imaging camera along with the advance image processing technique and analyse thermographic images for the detection of hotspot in order to making it a very early warning fire detection system.

Our powerful software package meets the requirements of fire detection, analysed and identified by real-time transmission infrared video data. According to the telemetry data, it completes the situation assessment and the geographical location of the fire, and ultimately generates fire detection report for the command and control centre. The software shows the characteristics of high detection speed, high precision, wide measurement range, can effectively provide helpful guidance for the forestry sector, save manpower and material resources and improve work efficiency.



**Able to operate at night**  
Thermal camera provides imagery data that human eyes unable to detect and see

**Real-Time Video Monitoring**  
Vortex software enables direct data transfer to the base station in real-time.

**Advance Hotspot Detection Software**  
Reliable hotspot detection software with alarm for early warning

**Low Cost Fire Detection Operation**

- Only few people needed for operation

**Autonomous Detection**

- Fully autonomous from takeoff until landing

**Practical & Time-saving**

- Very easy to carry, assemble and operate

