PRODUCT OVERVIEW

THERMAL AERIAL IMAGERY



Thermal cameras detect, measure, and record thermal infrared radiance emitted by objects. Our technology captures high-resolution thermal images across broad-scale areas. Outline's thermal systems are designed to detect the temperature differences of objects such as the difference between vegetated and non-vegetated areas, all with a high degree of accuracy.

Outline has developed a specialised 6-band high-resolution thermal camera delivering high-resolution thermal imagery in conjunction with Red Green Blue (RGB), Near Infra-Red (NIR), Short Wave Infra-Red (SWIR)and long wave InfraRed (LWIR) data. This technology, coupled with Outline's portable GTech™ camera pod system, has opened the door for broader use of thermal imagery across a growing list of applications including the inspection of solar farms, mapping of urban heat islands, fauna population surveys and water leak detection.

Powered by GTech™ Tx8400 technology

KEY FEATURES

Image Quality

Industry-leading high-resolution thermal captures and recording of absolute temperatures

Cost-effective

Equivalent thermal accuracy at a more affordable cost when compared with other technologies

Bespoke Captures

Flexibility to capture small or large areas. Captures can be tailored to meet specific timing and capture conditions, based on the end-use of the imagery

Multiple Bands

Capture multiple co-registered bands in a single pass, including RGB, NIR, SWIR, LWIR and Ultraviolet (UV)

GIS Ready

Final images are ready for direct download into GIS systems or viewed directly in Outline's secure GMap™ web portal

SPECIFICATIONS

Capture areas	1 - 1,000km²
Output ground pixel resolution range	1cm to 14cm for RGB, NIR 5cm to 70cm LWIR and SWIR
Relative temperature	Accurate to 0.1 degrees Celsius
Absolute temperature	Accurate to 2 degrees Celsius (subject to known emissivity)

INDUSTRIES

Mining · Environmental · Forestry · Biosecurity · Urban

The combination of flexible GTech™ Imagery and LiDAR capture platforms, quality data, advanced AI and easy to use cloud delivery platforms makes the choice simple, speak with Outline today!



Outline IMAGERY AI

ASIA-PACIFIC SPATIAL EXCELLENCE AWARDS 2020 WINNER

1300 945 216 hello@outlineglobal.com.au www.outlineglobal.com.au