



Image credit: TrueColour render 2019. Credit: SSTL

TRUECOLOUR

The TrueColour satellite provides a medium spatial resolution and multi-spectral option in the series, whilst still using the Carbonite platform. The SSTL-TrueColour imager has a wide swath and images in 9 selected bands.

Applications

The combination of resolution, swath and spectral bands, allows the mission to address a broad range of applications across a number of sectors including:

- Forestry
- Agriculture
- Maritime
- Mapping and planning
- Disaster support

Multispectral (9 bands 433-907nm)

- Aerosol / Coastal: 433-453nm
- Blue: 458-523nm
- Green: 535-585nm
- Red: 640-690nm
- Red Edge-1: 690-720nm
- Red Edge-2: 727-753nm
- Red Edge-3: 769-797nm
- NIR-1: 777-907nm
- NIR-2: 845-885nm

Payload

Parameter	Specification
GSD	5m
Swath	120km
Spectral bands	Multispectral (9 bands 433-907m)
Throughput	500,000km ² daily coverage

Platform

Parameter	Specification
Reference orbit	600km SSO with 10:30 LTAN
Mission lifetime	5 Years
Launch mass	~125kg
Data storage	120GB
Downlink	140Mbps