

ALTURA ZENITH® UNMANNED AIRCRAFT SYSTEMS



A FIELD PROVEN AGRICULTURE ASSET



All weather
resistant



Multi-sensor
compatible



Unmatched
performance



Payload
up to 2.9 kg



Flight time
up to 35 min.



Windspeed
up to 12 m/s

WWW.AERIALTRONICS.COM

Available in Australia and New Zealand from:

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AERIALTRONICS
REMOTELY PILOTED AIRCRAFT SYSTEMS

DRONE SOLUTIONS FOR AGRICULTURE

FARMING & VEGETATION MANAGEMENT

The Altura Zenith can improve the quality of your production processes while lowering crop management costs. Whether it's inspecting your crops or stock, measuring irrigation requirements or monitoring climatological aspects, agronomists can monitor everything using a UAS and its impressive data analysis tools.



Farming



Vegetation
management

CROP HEALTH MONITORING

The Altura Zenith unmanned aircraft system revolutionises the way you can manage the crop health of your yield. It's capability to carry multi-spectral sensors, will provide you with instant crop health data which will assist you to optimise your crop production processes and ultimately lead to more efficiency.



Crop health
monitoring

DRONE SOLUTIONS FOR AGRICULTURE

PLAN & FLY YOUR MISSION

Flight planning is essential for a successful agriculture survey mission. Based on the field position, the Altura Ground Control System allows you to automatically pre-program a geo referenced flightplan. After take-off the Zenith Aircraft autopilot ensures the flight will be performed autonomous and makes sure it collects the desired data with high a degree of accuracy.



Altura
GCS app



Flight time
up to 35 min.



Range
up to 1000m



All weather
resistant

REMOTE SENSING FROM ABOVE

The Zenith aircraft system imagery captures measurements faster, more accurately and more cost effectively than traditional methods. Customised sensors mounted to the UAS make it more efficient and optimises your farming and vegetation management processes.

MAKE BETTER DECISIONS MAXIMISE YIELD

Aerialtrionics provides professional data processing software to help farmers create multispectral images of crops for yield maximisation. The drones payloads and software enable the user to create maps of crop yield, terrain, organic content, moisture and nitrogen levels, which is at the heart of precision agriculture.

AGRICULTURE PAYLOADS



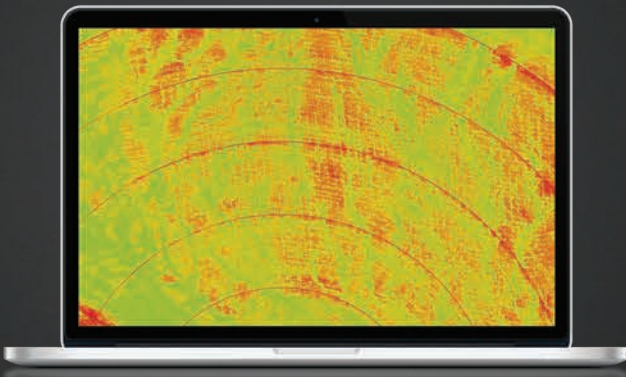
Multispectral
Micasense Red Edge



Multispectral
Tetracam snap

The Altura Zenith's variety of sensors allows you to use high technology multispectral and hyperspectral cameras, such as Micasense Red Edge and Tetracam Snap, to create high quality imagery and data on site or remotely. This ultimately allows the farmer to manage the land at a competitive cost.

CREATE RESULTS TURN DATA INTO INFORMATION



Aerialtrionics provides professional data processing software for processing, storage, management, presentation, and analytics of multispectral data captured with professional multispectral cameras. This powerful tool takes the tedious work out of generating accurate and meaningful orthomosaics and vegetation index maps, with quantitative information that can be used to properly interpret and understand the condition of your field.

PROGRAM & AUTOMATE YOUR AGRICULTURE MISSION

The Altura CGS app was developed to easily manage autonomous navigation and the joystick control allows full manual flights. Pilots can opt to navigate via waypoint or repetitive flight patterns. The touchscreen tablet control was designed to ease navigation.

