







ALTURA ZENITH®
UNMANNED AIRCRAFT SYSTEMS



**A FIELD PROVEN
SAFETY & SECURITY ASSET**

-  All weather resistant
-  Multi-sensor compatible
-  Unmatched performance
-  Payload up to 3.0 kg.
-  Flight time up to 40 min.
-  Windspeed up to 16 m/s

WWW.AERIALTRONICS.COM






**DRONE SOLUTIONS
FOR SAFETY & SECURITY**



**SURVEILLANCE
& MONITORING**

Police officers face hostile situations every day whether they are attempting to control a crowd or during riots and looting. The Altura Zenith unmanned aerial system can offer the police, fire or emergency teams much-needed assistance to see beyond the barricades or over the crowd and gain a safer aerial view without putting lives at risk.

-  Fire Fighting
-  Search & Rescue
-  Surveillance

**GAS & NUCLEAR
RADIATION DETECTION**

Reducing the risk to personnel when confronted by a chemical, biological or nuclear emergency is imperative. UAS can help gather information in advance before deploying rapid response teams in volatile situations. Special sensors include thermal imaging, sniffers for gas leaks and VOC monitors for hazardous materials and radioactivity.

-  Gas Detection
-  Nuclear Detection

DRONE SOLUTIONS FOR SAFETY & SECURITY



PLAN & FLY MISSION

Flight planning is key for a successful mission. The Altura GCS which manages autonomous navigation easily by inputting GPS waypoints into the system. The ability to control multiple UAS and monitor any emergency decisively, manually or fully automated, is crucial to ensure the safety of people, crowds, property and the environment.



Altura
GCS app



Flight time
up to 40 min.



Range
up to 1000m



All weather
resistant

REMOTE DETECTION FROM ABOVE

The Altura Zenith can fly close to the target at extended range while providing up-close video or data with sufficient detail for threat assessment or visual identification. The Altura Zenith offers a fast-change modular payload system which can fulfil specific needs, with an array of sensors available including: day and night vision, air quality monitoring and nuclear radiation data collection.



Day / night
vision



Thermal
vision



Gas
detection



Nuclear
radiation

MAKE DECISIONS IN REAL-TIME

The Altura Zenith platform is an excellent way of securing advance surveillance and can relay live multi-stream on-station to stream live multicast video to officers and command posts simultaneously, acting as a vital communication link for everyone involved, regardless of geography. This facility provides a key communication link between the security teams in the field.



HD live
ground monitor



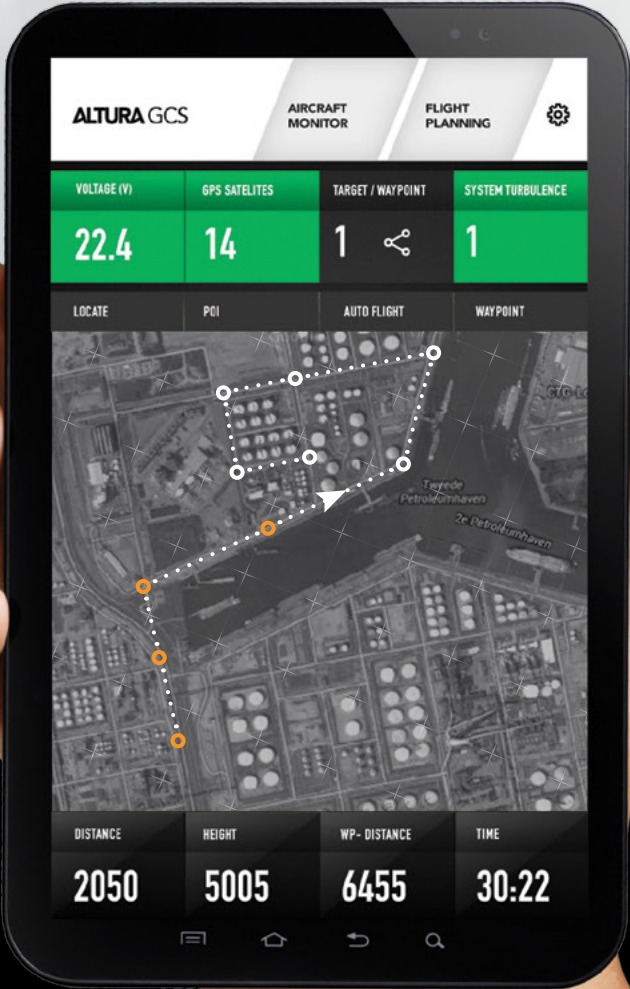
AES Encrypted
link



4G/LTE
connection



Multicast
communication



PROGRAM & AUTOMATE YOUR SECURITY MISSION

The Altura GCS app allows the user to navigate via waypoint or repetitive flight patterns. The touchscreen tablet control was designed to ease navigation. Flight planning is similarly quick by inputting GPS waypoints which can be programmed.

SAFETY & SECURITY PAYLOADS



Day vision / DSLR
Sony alpha 7R



Dual vision sensor
Pensar



Gas / VOC monitor
MiniRAE 3000



Gas / VOC monitor
Multirae pro

Advanced cameras and a variety of custom payloads work in tandem with the Altura Zenith UAS to ensure a reliable and repeatable collection of high quality imagery and data. These fully integrated solutions include day-night thermal and VOC monitoring as well as nuclear radiation detection

ON-SITE & REMOTE (4G-LTE) MONITORING



With the Zenith, you can carry out both on-site and remote monitoring easily with our 4G capability which uses the existing mobile communication infrastructure. More importantly, this 4G connection also provides sophisticated and secure encryption to relay data from the field to the control centre.