

ALTUS
Land Sea Air



ATLAS 204 A20

Man Portable ISR
Quadcopter Drone System

Quality / Performance

- Small Logistics Footprint - Folded ←
- Easy Field Transport e.g. Backpack ←
- High Payload Weight to MTOW Ratio ←
- High Quality Materials – EU Origin ←
- Operation in Extreme Weather Conditions (Wind & Temperature) ←



Communication / Control

- Collision Detection Sensors ←
- Secure RF Link ←
(AES 256 Encryption)
- Parachute Option for ←
Extra Security
- FPV Camera Option ←
(Bird's Eye Mode)

INNOVATIVE UAS TECHNOLOGY



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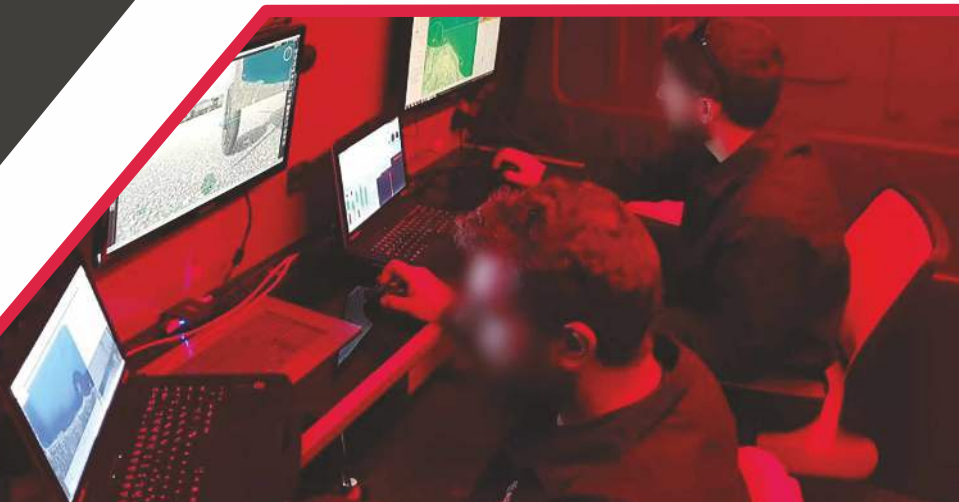
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ATLAS 204 A20

Overview

ATLAS 204 A20, is a multicopter with configuration of four arms and one electric motor in each arm, vertical take-off and landing, high specifications, with the ability to support a **vast range of operations**, while being able to be deployed and operated by **one (1) pilot** and take-off within 120 seconds. It is specially designed and developed based on the EN60259 standard, with a corresponding degree of protection for the mechanics, electronics and optics instruments, **IP55**, in order to be able to operate in harsh environmental conditions. The system has also integrated 4 x LiDAR sensors for collision avoidance to a maximum range of 12-15m.



Technical Specifications

Dimensions (length - width - height): 650x650x380 [mm]
Take - off weight with EO/IR sensor: 5 [kg]
Maximum take - off weight (MTOW): 6.5 [kg]
Maximum Payload Capacity: ~2 [kg]
Endurance: 60 [mins] (depending on configuration)
Telemetry & Video Range: 5 - 10 [km] RLOS (depending on configuration)
Degree of Protection: IP55
Maximum flight altitude: 9,000 [ft]
Positioning system: GNSS (GPS & GLONASS)
Frequency of communications: 2.4 [GHz]
Temperature operating range: -20 [°C] to +40 [°C]
Automatic Take-off & landing: Yes
Number of operators required: One [1]
Propulsion system: Four [4] Electric Motors
Navigation lights: Yes, on/off

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Payload Options & GCS



Dual EO/IR Camera - Option 1



Parachute



Dual EO/IR/LRF Camera with AI Features - Option 2



Speaker



Ground Control Station

- Windows Based
- M3NTOR C3 system
- FHD screen
- UAV & payload command & control
- Mesh radios

