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Abu Dhabi Airports Free Zone

NORTH AMERICA

UNITED STATES

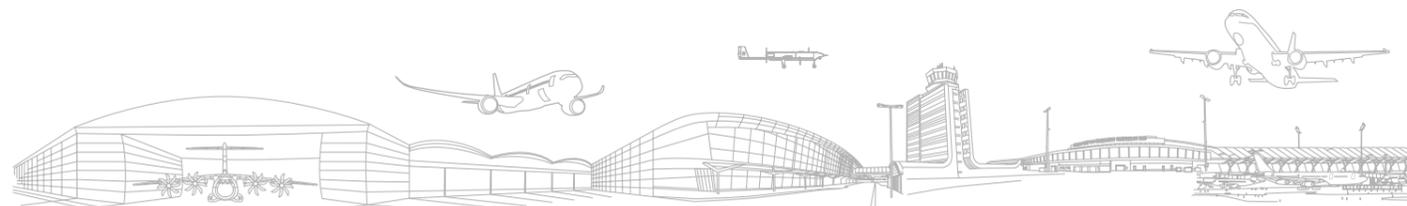
DELAWARE
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New Castle County



UAS

Solutions for observation,
surveillance and emergency

TARSIS 25





UAS

Solutions for observation, surveillance and emergency



TARSIS 25
Fixed wing
UAS

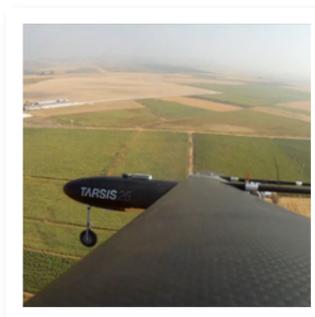
UAS

TARSIS 25 is a high end class I small UAS in the 25 kg category. It has been specifically designed and engineered for two very important variables:

- A large payload integration capacity (< 5 kg)
- A very long endurance (< 8 hours)

Both capabilities provide a large variety of operational configurations which allow for a very high adaptation to very demanding operational environments.

TARSIS solutions are ATOL (Autonomous Take-Off and Landing) which include an automated control system for all flight phases (take-off, flight and landing). They can integrate many different options like satellite backup link, emergency parachute recovery, alternative spectral sensors, etc.



TARSIS 25

CHARACTERISTICS	
· MTOW	25 kg
· Maximum payload	5 kg
· Maximum endurance	8 h
· Maximum flight altitude	4 000 MASL
· Operational video range	40 / 150 km
· Wingspan	4 m
· Length	2.5 m
· Height	0.89 m
· Cruise speed	100 km/h



➔ For more information contact us:
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CMT25.FT.EN.V05

Configurable high performance fixed wing UAS solutions to provide versatile systems capable to carry out different missions

Day / Night Missions

TARSIS UAS solutions integrate advanced dual EO+IR surveillance gyrostabilized sensors with automatic detection capabilities, video tracking and geotracking, allowing for day and night missions.

These sensors are configurable to the specific needs of the mission providing valuable real time data from the area of interest. They automatically generate target alerts and track moving objectives at 8 km of distance.



Automatic detection and tracking of persons



Ground Control System (GCS)

GUIDANCE/CONTROL SYSTEMS

- Waypoint flexible configuration
- Holding flight modes*
- Return to base mode
- Linear/helical ascending/descending
- Planned and/or commanded Loiter
- Contingency/emergency implementation

*Altitude/bearing/speed

TAKE OFF/LANDING

- ATOL (Automatic Take Off and Landing)
- Operation from unprepared landing strips
- Parachute emergency recovery (optional)



Automatic detection and tracking of moving vehicles

COMMUNICATION SYSTEMS

Primary real time video/data link	
· Type of antenna	Directional antenna / Optional autotracking capabilities
· Operational video range	40 / 150 km
Secondary data link (optional)	
· Backup system	Satellite link
· Operational range	Unlimited