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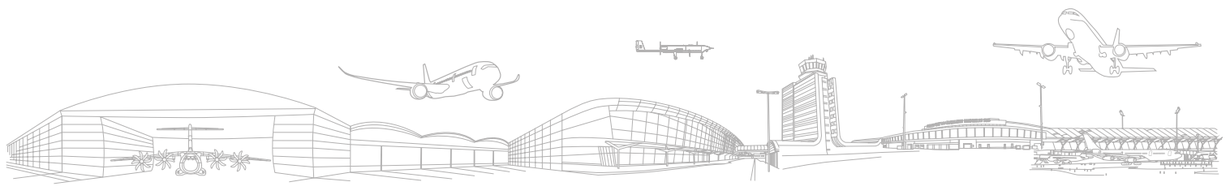


EN

AERTEC

RPAS

Solutions for observation, surveillance and emergency

TARSIS75

RPAS

Solutions for observation, surveillance and emergency

RPAS

TARSIS 75 is a high end class I small RPAS in the 75 kg category. It has been specifically designed and engineered for two very important variables:

¬ A large payload integration capacity (< 12 kg)
¬ A very long endurance (< 12 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 75

CHARACTERISTICS	
· MTOW	75 kg
· Maximum payload	12 kg
· Maximum endurance	12 h
· Maximum flight altitude	5 000 MASL
· Operational video range	70 / 150 km
· Wingspan	5.2 m
· Length	3.8 m
· Height	0.96 m
· Cruise speed	100 km/h

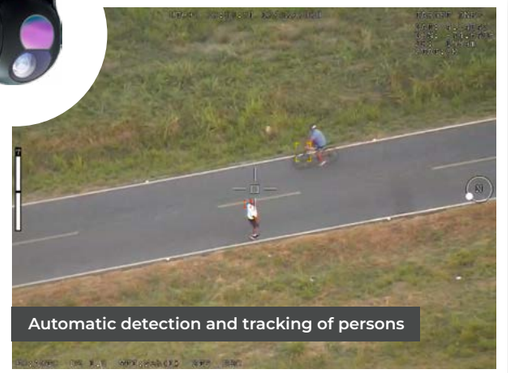
For more information contact us:
rpas@aertecsolutions.com

CIV.T75.FT.EN.V04

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

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

The sensors are configurable to the specific needs of the mission providing valuable real time data from the area of interest. Capable of automatically generate and detect moving objectives at 8 km of distance.


Automatic detection and tracking of persons

Ground Control System (GCS)


Automatic detection and tracking of moving vehicles

GUIDANCE/CONTROL SYSTEMS
· Waypoint flexible configuration
· Holding flight modes: altitude/bearing/ speed
· Return to base mode
· Linear/helical ascending/descending
· Planned and/or commanded Loiter
· Contingency/emergency implementation

TAKE OFF/LANDING
· ATOL (Automatic Take Off and Landing)
· Operation from non-prepared landing strips
· Parachute emergency recovery (optional)

COMMUNICATION SYSTEMS	
Primary real time video/data link	
· Type of antenna	Directional antenna / Optional autotracking capabilities
· Operational video range	70 / 150 km
Secondary data link (optional)	
· Security optional system	Satellite link
· Operational range	Unlimited