ISTAR, SAR, battlefield surveillance

High available MTOW

HD video feed

Runway take-off

Convoying

Surveying natural disasters

Endurance up to 10 hours

Autonomous

Reconnaissance

Patrolling state borders & sensitive areas

Weight 85 kg

RLOS 150 km

Max. ceiling 5000 AMSL

ATOL capabilities

Intelligence

Real-time data

Wingspan 6.4 m

Length 3.1 m

Powered by EFI controlled, independent engines

Integrable with SAR and other types of payloads

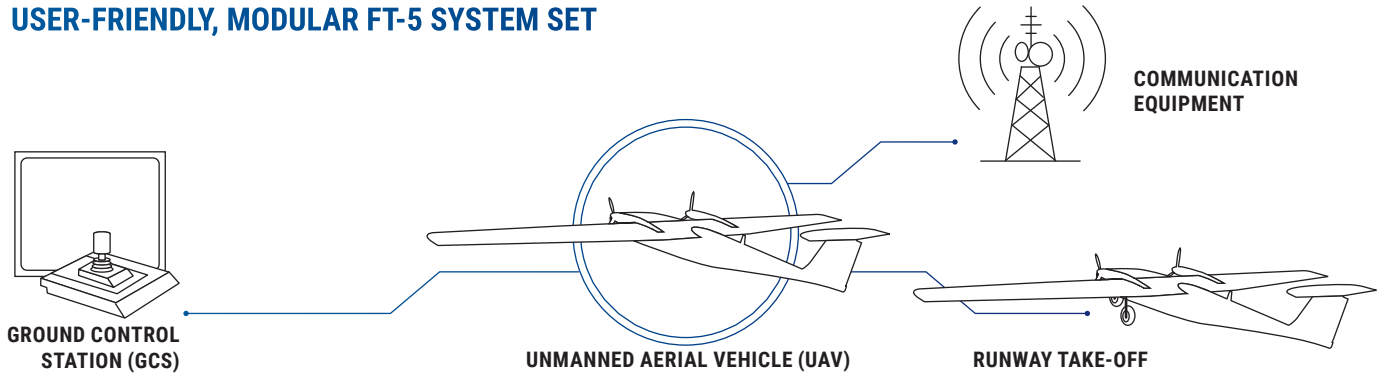
MULTIFUNCTIONAL Electronic warfare

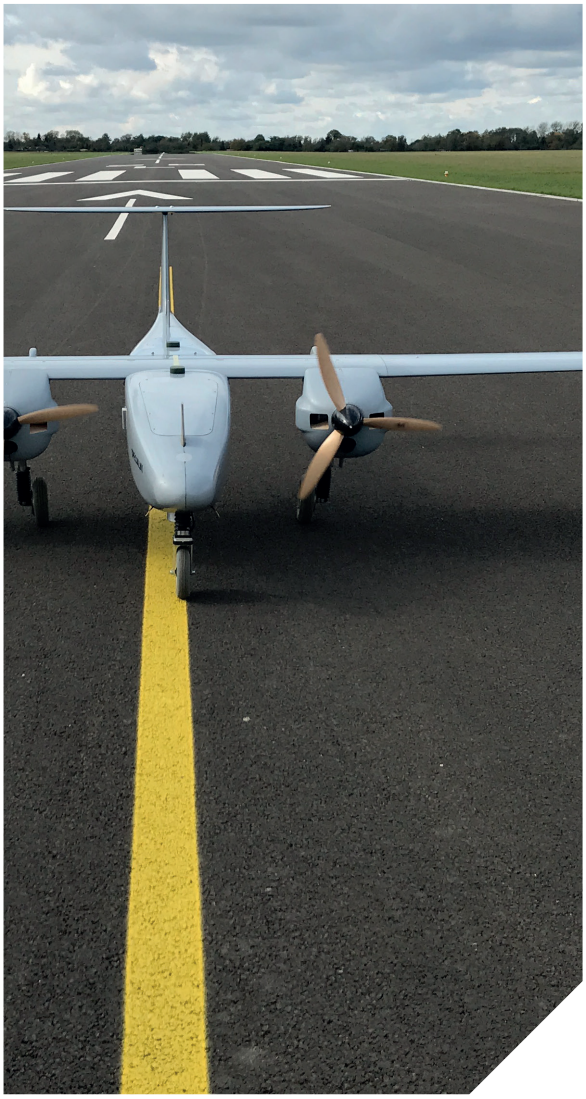
WB GROUP

FT-5

Tactical Aerial Platform

USER-FRIENDLY, MODULAR FT-5 SYSTEM SET





High performance observation payload

Full HD-view of stationary or moving targets with 30x optical zoom, day & night

- Gyro-stabilised in both the PAN and the TILT axes
- Full 360 degrees continuous horizontal motion & 180 degrees of vertical motion
- Full control from the ground control station
- Onboard data storage in the event of the communication loss
- Resistant to vibrations
- Advanced image stabilization
- Laser rangefinder / laser pointer
- Real-time video transmission to multiple recipients
- Digital stabilization and object tracking onboard
- Moving target detection

Stabilised Observational payload consisting of:

- Daylight Full HD
- IR MWIR (cooled)

User-friendly & customizable ground control station

- Two redundant operator stations
- Heating & air conditioning systems
- Integrated communication systems providing contact with commander and other divisions in the field
- Weather station
- Vehicular or external antenna mast
- Can be installed in any off-road or military vehicle
- Available in various configurations according to customer's requirements

The FT-5 can be used with following flight modes:

Flight Plan	An automatic flight following waypoints according to a flight plan made of a set of defined geographic locations named waypoints. The path that is followed by the UAV can be modified at any moment, both prior and during the mission.
Camera Guided	The UAV moves in the direction that the camera is facing. This mode is especially useful for following moving targets.
Manual	Control by the operator. The camera angle is fixed pointing forwards and the operator controls the flight direction of the UAV. Turns are controlled by the autopilot ensuring that operation is within safe boundaries. For enhanced safety, this mode automatically switches down if there is no operator input for a certain amount of time.
Return	An emergency flight mode. This mode is automatically started after the loss of radio contact or GPS reception and makes the UAV fly to a pre-programmed point. It is only possible to re-initiate the flight plan following the re-establishment of radio contact between the GCS and the AV.
Take-off	Procedure is fully automatic. The air vehicle uses typical runway to speed up. After achieving desired velocity, the AV perform rotation and starts climbing. On 50 m altitude, the procedure finished and the AV begins the flight plan.
Landing	Procedure is fully automatic. Upon arrival at the descent area, the AV lowers the flight down to 100 m and continue to short final. The AV touches down on the pre-determined point and runway direction.

Compatible products

Unmanned aerial system
FLYEYE

Loitering munition system
WARMATE

Loitering munition system
WARMATE 2

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The information in this folder is not intended to constitute an offer within the meaning of the Civil Code.

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