

DT26E Tactical



STEALTH & RUGGED

REAL-TIME TRACKING FOR PRECISE INTELLIGENCE,
SURVEILLANCE AND RECONNAISSANCE OF CRITICAL AREAS



THE LONG RANGE TACTICAL UAV - SECURE
SENSITIVE AREAS OVER LARGE DISTANCES

Key Applications

Intelligence, Surveillance, Target Acquisition & reconnaissance (ISTAR)

Patrol and Convoy Escorting

Target Acquisition and Damage Assessment

Discreet Surveillance Missions in Sensitive Areas

Border Security



Security & Defense

 **170** min
endurance

 **50** km
Communication range
(750 m AGL)

1800 m
EO human detection
distance with HD720p

ADS-B
transponder
compatible

Key Differentiators

Reliable and rugged

- GNSS redundancy
- Jamming resistance
- ITAR free
- Autopilot developed by Delair

Advanced automatic security modes

- Geocaging, automatic and independent of flight control (enhanced containment)
- Return back
- Emergency parachute
- Engine shutdown
- Security analysis in compliance with internationally recognised standards (ARP4754 & ARP4761)
- Flight termination system

Stealth & mobile

- The DT26E is silent (undetectable by night) and can be deployed in the field within minutes by a single operator.

ADS-B transpondeur compatible

UAV specifications

Endurance ¹:

Up to 170 minutes

Weight (payload included):

16 kg (35 pounds)

Wingspan / Length:

3.3 m / 1.6 m (10.8 ft / 5.2 ft)

Material:

Composite (fiberglass, carbon, kevlar), EPP foam

Deployment time:

< of 15 min

Take-off / Landing:

Catapult / Belly (all terrain)

Cruise speed:

57 km/h (31 mph)

Very low cruise acoustic signature:

< 80 dBA (acoustic pressure converted at a distance of 1 m)

Origine France Garantie

Communication range:

Up to 50 km / 31 miles (Stable, smooth video flow)

Communication link:

C-band (L-band, S-band also available on request)

Encryption AES256.

Detection / Recognition / Identification:

EO Human: 8000 m / 5700 m / 3000 m

EO Vehicule: 10 km / 8000 m / 7000 m

IR Human: 3000 m / 1000 m / 270 m

IR Vehicule: 3500 m / 1200 m / 600 m

OPERATING CONDITIONS:

Weather:

8 m/s wind on the ground, light rain, -15 to 50°C (at sea level)

Take-off & Landing altitude / ceiling:

0 to 2300 m ASL @ 0° - Ceiling up to 3000 m (with a take-off at 2300 m)

Landing area:

200 m x 35 m

Sensors

Gyrostabilized EO/IR video HD camera

Pan - Tilt / Angular resolution:

Infinite range / 25 µRad

EO Specifications:

Resolution: HD 1280 x 720 pixels

Zoom: x30 optical / FOV: 2.2 to 62.9°

LWIR Specifications:

Zoom: Digital (continuous) / FOV: 17.7°

Resolution: 640 x 480 (25Hz)

Wavelength: 8 to 14 µm

Tracking: Videotracking, geotracking, «click & track» feature

Advanced image stabilisation

Onboard image optimisation (contrast, shutter, gain)

Multiple moving objects detection

Standardised interface for another sensor

Ground Control Station (GCS) Software

DRAKO

The most advanced and reliable flight planning and control software on the market.

Simulate:

Training on the software in real-life conditions.

Plan:

Flight simulation with integrated video. Telecom range prediction tool for BVLOS.

Fly:

Real-time transmission of telemetry and control of your flight, live video feedback.

Analyse:

Recovery of your flight data, logs and recording of georeferenced video (EO and IR).

SECURITY SYSTEM

Dual link Automatic Dependent Surveillance - Broadcast (ADS-B) UAT transceiver

Capable of detecting commercial aircrafts on frequencies 1090MHz or 978MHz within a radius of 100 miles in real time.

Geocaging (configuration of flight limitation to authorized volume, geofencing, protection of prohibited areas) automatic and independent (enhanced containment)

Continuous, real-time video stream for navigation

(camera under the drone directed 45° forward)

Position lights and anti-collision flash (remotely controllable)

Redundancy of the communication link (RF/3G)

Functions can be deactivated in military mode

Stealth & mobile: the DT26E tactical is silent (undetectable by night), has no radar signature and can be deployed in the field within minutes by a single operator.

¹ Actual results may vary depending on UAV configuration, battery age and condition, and operational, environmental and climate conditions.