

Stealth & Rugged.

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



DT26E Tactical

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

Up to 170 min
endurance

50

Up to 50 km
Communication range
(750 m AGL)

1800 m

EO human detection
distance with HD720p

ADS-B

transponder
compatible



Key Differentiators

High reliability and robust architecture:

- GNSS redundancy
- Independent and redundant flight termination system
- In-house developed autopilot with advanced safety functions.

Advanced automatic fail safe modes, with emergency parachute. Flight termination system developed following ED12-C/DO178-C DAL D aviation standard. Safety analysis conducted according to recognized aerospace guidelines ARP4754 and ARP4761.

Stealth & mobile:

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

ADS-B transponder compatible

UAV specifications

Endurance¹:

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:

8 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)

ITAR FREE

Communication range:

Up to 50 km / 31 miles

Communication link:

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

Encryption AES256

Second link available for redundancy including mobile connectivity via 3G network (4G-ready) for unlimited range (within network coverage).

Detection / Recognition / Identification:

EO Human: 1800 m / 1250 m / 1000 m

EO Vehicule: 8500 m / 4500 m / 3600 m

IR Human: 1000 m / 500 m / 300 m

IR Vehicule: 1800 m / 1000 m / 500 m

OPERATING CONDITIONS:

Weather :

50 km/h wind in flight, 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

Landing space:

200 m x 35 m (650 ft x 115 ft)

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 stabilization

Onboard image enhancement (contrast, shutter, gain)

Multiple moving objects detection

GCS software

FLIGHT DECK PRO

The most advanced and reliable flight control and planning software

Plan :

Simulate your flight with video simulation. Optimized feature for corridor mapping missions.

Fly:

Get real time telemetry transmission, control your flight parameters and payload, get real time video transmission.

Analyze:

Recover your flight meta data, logs and georeferenced video (EO and IR) recording for analysis

Safety systems

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

Assists with Detect and Avoid (DAA) functionality for Unmanned Aircraft Systems (UAS) operations in the National Airspace System (NAS)

Detects commercial aircraft threats on 1090MHz and 978MHz within a 100 statute mile radius in real time.

Transmits ADS-B on 978MHz (UAT) 20W nominal

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Geocaging (fully configurable ceiling protection, geofencing, forbidden zone protection)

Real-time video navigation back-up (looking down camera)

Position and anti-collision strobe lights

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.