

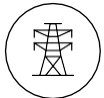
## Secure & Robust.

BENEFIT FROM NIGHT AND DAY  
LONG-RANGE SURVEILLANCE



# DT26E Surveillance<sup>+</sup>

HIGH-GRADE UAV FOR REAL-TIME INTELLIGENCE,  
SURVEILLANCE, AND RECONNAISSANCE



Power & Utilities



Security & Defense



Railways & Roads



Oil & Gas



Mines & Aggregates

## Key Applications

Intelligence, surveillance & reconnaissance (ISR)

Discreet surveillance

Missions in sensitive areas

Day & night routine monitoring

Surveillance of industrial sites

Emergency response

Wild fire management

Natural disaster management

Anti-poaching operations

**170**

Up to 170 min  
endurance

**55**

Up to 55 km  
Communication range  
(750 m AGL)

**1800m**

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 (undetected by night) and can be deployed in the field within minutes by a single operator.

## ADS-B transponder compatible

# UAV specifications

## Endurance:

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)

## Communication range:

Up to 55 km / 34 miles

## Very low cruise acoustic signature:

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

## ITAR FREE

## 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, 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:

Typically 15 m x 50 m (50 ft x 165 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: x 30 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 and logs for analysis.

# Safety systems

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

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 (undetected 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.*