



DT18
~ AIRFRAME ~

THE LONG RANGE, BVLOS-CERTIFIED,
SMALL UAV

100 km
FLIGHT RANGE

2 hours
ENDURANCE

2 kg
WEIGHT

3G
OPTION

DT18

AIRFRAME

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The DT18 was the first civilian UAV in the world to be approved for beyond visual line-of-sight (BVLOS) operations by an official rule-making body: the French Civil Aviation Authority (*Direction Générale de l'Aviation Civile* – DGAC in 2012). Since then, it has accomplished the most demanding missions all over the world in all kinds of environments (mountains, deserts, tropical forests, in cold, windy, hot weather). The high versatility DT18 airframe can carry high resolution RGB & multispectral sensors and an IR video camera.

APPLICATIONS

- Linear Infrastructure Monitoring
- Precision Agriculture
- Geographic Information Systems (GIS)

Wingspan / length	1.8 m / 1.2 m
Weight	2 kg
Cruise speed	50 km/h (27 kts)
Wind resistance	50 km/h (27 kts)
Communication Range	Up to 20km
BVLOS telecom	3G (optional add-on)
Coverage Area* / GSD**	4.3 km ² / 4.3 cm 150 m AGL 20.1 km ² / 20.1 cm 700 m AGL
Flight Range / Endurance	100 km / 2 hours
Encryption	AES128
Ingress protection	IP54 (water and dust)
Takeoff/landing	Hand or catapult/belly
Flight altitude ceiling	Up to 3000 m ASL
High Precision RTK GNSS IMU (option)	Dual-band GNSS (L1/L2). Position accuracy down to 2 cm Angle accuracy 0.025°

*coverage area calculated with 60% overlap

**Ground Sampling Distance achieved with the DT-3Bands sensor

The complete autopilot, navigation and safety systems have been approved by the French CAA. The safety system works on a progressively-escalating scheme ensuring unmatched reliability of the system.

Takeoff is done either by hand or with the DT-Launcher system. Belly landing is autonomous & accurate and only requires a small landing zone.

The DT18 is the best-selling UAV in the Delair-Tech fleet and is actively used by some of the largest industrial organizations.

The DT18 is easily transported in its rugged flight case or in the DT18 backpack: just pick the option that suits you best.



With the 3G telecom ability of the DT18, no mission is out of reach – data link range is only limited by network infrastructure.

