



## DT18 PPK

— AIRFRAME + SENSOR + PPK —

# THE LONG RANGE PPK UAV FOR SURVEY GRADE PRECISION

100 km  
FLIGHT RANGE

2 kg  
WEIGHT

PPK  
GNSS IMU

2 cm  
ACCURACY

The DT18 is a UAV specially dedicated to long range missions and large area mapping. With its PPK version, Delair-Tech brings a new standard to the UAV industry ! Thanks to its high precision IMU, the angles for the photos are very accurate. The GNSS L1/L2 dual-band receiver makes the GPS position accuracy be very high. The DT18 PPK is the perfect tool for high accuracy surveys over long distances and large areas with no need to put GCP all over it !

### DT18 UAV

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
Flight Range / Endurance	100 km / 2 hours
Takeoff/landing	Hand or catapult/belly
Flight altitude ceiling	Up to 3000 m ASL



Example of precise Orthophoto

### PPK System

High Precision PPK GNSS IMU	Dual-band GNSS (L1/L2). Position accuracy down to 2 cm Angle accuracy 0.025°
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### Sensor

Altitude AGL	Coverage	Resolution GSD	Accuracy*
80 m	2.3 km <sup>2</sup>	2.3 cm	3.5 cm
150 m	4.3 km <sup>2</sup>	4.3 cm	6.5 cm
700 m	20 km <sup>2</sup>	20 cm	30 cm

### DT-3Bands Sensor

Width x Height	2,448 x 2,048 pixels
Pixel pitch	3.45 µm
Picture acquisition	1 Image/seconde
Sensor type	Global shutter
Bands	R-G-B

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.



Example of calibration field

