



DT18-HD

— AIRFRAME + HD SENSOR —

THE LONG RANGE BVLOS MAPPING UAV

100 km

FLIGHT RANGE

2.1 cm

GSD @ 150 M AGL

20 km

COMMUNICATION
RANGE

21.4 Mpix

GLOBAL SUTTER
SENSOR

DT18-HD SOLUTION

THE LONG RANGE BVLOS-CERTIFIED MAPPING UAV

The DT18-HD UAV is specially dedicated to **long range missions** and **large area mapping** with **best-in-class coverage and range** performance. It is certified for BVLOS in several countries.

The DT18-HD integrates Delair-tech's brand new **HD sensor** based on industry leading technology. It captures amazingly sharp images in varying light conditions and offers excellent operational ground sampling distance (GSD) even for large jobs.

DT18 UAV

Wingspan / length	1.8 m / 1.2 m
Weight	2 kg
Cruise speed	50 km/h
Wind resistance	50 km/h
Communication Range	Up to 6.5 km* with Baby Bear antenna Up to 20 km* with Mama Bear antenna
Flight Range	100 km / 2 hours
Takeoff/landing	Hand or catapult/belly
Flight altitude ceiling	Up to 3000 m ASL

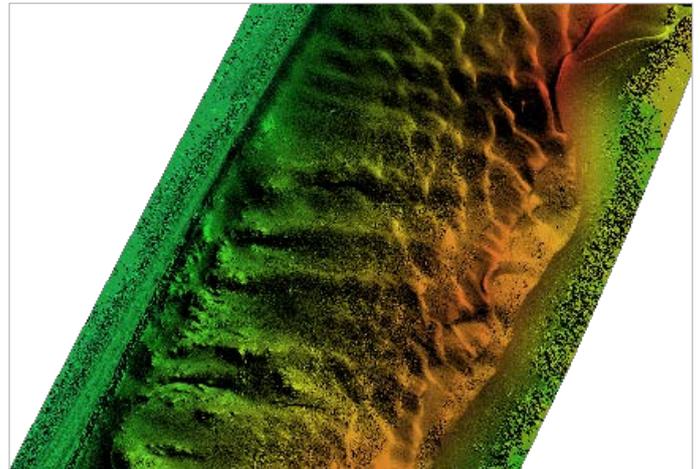
*in ideal radio conditions

HD RGB Sensor

Resolution	21.4 Mpix
Shutter	Global
Dynamic Range	70 dB
	Histograms visible during flight
Sensor configuration	Parameter setting (shutter, gain, brightness) with <i>Solapp</i> software

DT18-HD Options

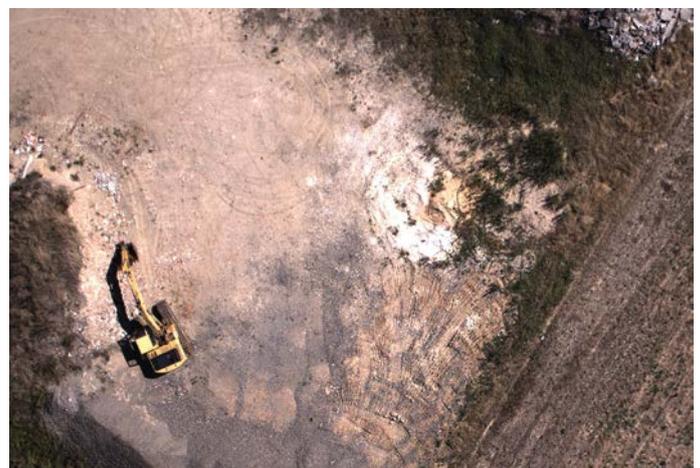
PPK	Dual-band GNSS (L1/L2) High precision Inertial Motion Unit No GCP required Position accuracy down to 1.5 cm
3G communications	Worldwide proprietary 3G service Full command and control "Unlimited" radio range



Precise DTM (sand dune South West of France)

DT18-HD Mapping Performances

Altitude AGL	Coverage	Resolution GSD
80 m	2.2 km ²	1.1 cm
150 m	4.1 km ²	2.1 cm
700 m	19.1 km ²	9.7 cm



Example of high resolution photo

