

UX11



DELAIR
AERIAL INTELLIGENCE

Precise aerial data, when you want.

CAPTURE AERIAL PHOTOS AND TURN THEM
INTO MAPS FOR ACCURATE BUSINESS INSIGHTS



↑↓ **1.3 cm**
GSD at 122m
(400ft) altitude

🎯 **1**
GNSS with
centimeter
accuracy

🕒 up to
80 min
minutes
endurance

A USER FRIENDLY, CLOUD CONNECTED
DRONE FOR HIGH QUALITY RESULTS

INDUSTRIES



Surveying &
Mapping



Mines &
Aggregates



Power &
Utilities



Security &
Defense



Construction



Oil &
Gas

KEY APPLICATIONS

Mapping & GIS

Surveying

Construction

Environmental and Conservation

Surface Mining

Aggregates

Public Land Management

Linear Mapping

Avantages

Map large areas faster - One pilot can map 9,6 km² (3,7mi²) in an 8-hour day with 1,7 cm GSD at 122 m flight height. Industrial camera with optional activation of PPK processing for highly accurate results.

Leverage versatile connectivity - Double système de communication comprenant la liaison radio par WiFi et la connectivité mobile via le réseau 3G (4G-ready) pour une portée illimitée.

Horizontal take-off and landing (BTOL) - High-angle (30 degrees) take-off and landing after stall for use in confined spaces, low-speed landing with distance-measuring technology.

Drako - easy-to-use Android™ mission planning and monitoring app - pre-flight checklist, no-fly zones, modern user interface.

The right tool for your daily linear inspections - Carthograph up to 25 Km of corridor in one flight.



UAV specifications

Endurance ^{1,2}	Up to 80 minutes
Weight (payload included)	1.6 kg (3.5 lbs)
Wingspan	1.2 m (47 in)
Deployment time ¹	5 min
Cruise speed ^{1,2}	54 km/h (34 mph)
Take-off / Landing	Hand-launched (angle: 30 degrees) / Belly landing (angle: 30 degrees)
Flying range ¹	53 km (33 mi)
Surface area covered ¹	
Nominal (60% side overlap): 1.2 km ² (300 ac) with 1,7 cm GSD at 122 m (400 ft) AGL	
Maximum (60% side overlap): 6,5 km ² (1600 ac) with 13,9 cm GSD at 1,000 m (3,280 ft) AGL	

| COMMUNICATION RANGE

3G/4G	Unlimited (within network coverage)
Delair Link (2.4 GHz radio) ^{1,3}	5 km in FCC configuration (and up to 10 km), 3 km in CE configuration (and up to 5 km).

| OPERATING CONDITIONS

Weather	45 km/h (28 mph) wind resistance, light rain
Maximum altitude (MSL) ¹	Takeoff at 5,000 m (16,400 ft) Flight at 6,000 m (19,700 ft)
Landing accuracy ¹	5 m (16 ft)
Temperature ¹	-20 to 45 C (-4 to 110 F)

| GNSS

GNSS	Traitement PPK en option (logiciel activé), L1/L2, GPS+GLONASS
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¹ Actual results may vary depending on UAV configuration, battery age and condition, and operational, environmental and climate conditions.

² Varies depending on altitude.

³ In good line of sight conditions with no signal interference.

Sensors

| INDUSTRIAL-GRADE RGB CAMERA SENSOR BUILT-IN

Sensor type	Global shutter, distortion free
Image resolution	21.4 Mpix
Dynamic range	70 dB
HFOV / VFOV	38° / 32°
In-flight sensor configuration	Auto or manual (brightness)
In-flight picture transmission	
Real-time histogram plot and photo	
Review with quality indicators	



Transport Case

Lightweight rugged backpack, airplane checkable	14kg with all accessories, 79x43x35 cm (31x17x14 in)
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