

Precise aerial data, when you want.

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



1
GNSS with
centimeter accuracy

1.7
cm GSD at 122m
(400ft) altitude

up to
80
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



Key Differentiators

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 - Dual-communication systems including WiFi radio link and mobile connectivity via 3G network (4G-ready) for unlimited range. Control your drone remotely from anywhere through the cloud.

Safe by design - Fully redundant flight systems, no fly zones and lightweight material means safety is never a concern.

Easy to deploy - Nearly every part of the process is automated, from mission planning to a deep-stall, low speed landing.

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

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	Optional PPK processing (software enabled), L1/L2, GPS+GLONASS

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

High quality raw output

Transport Case

Lightweight rugged backpack, airplane checkable

14kg with all accessories, 79x43x35 cm (31x17x14 in)

Specifications subject to change without notice to improve reliability, function or design or otherwise.

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