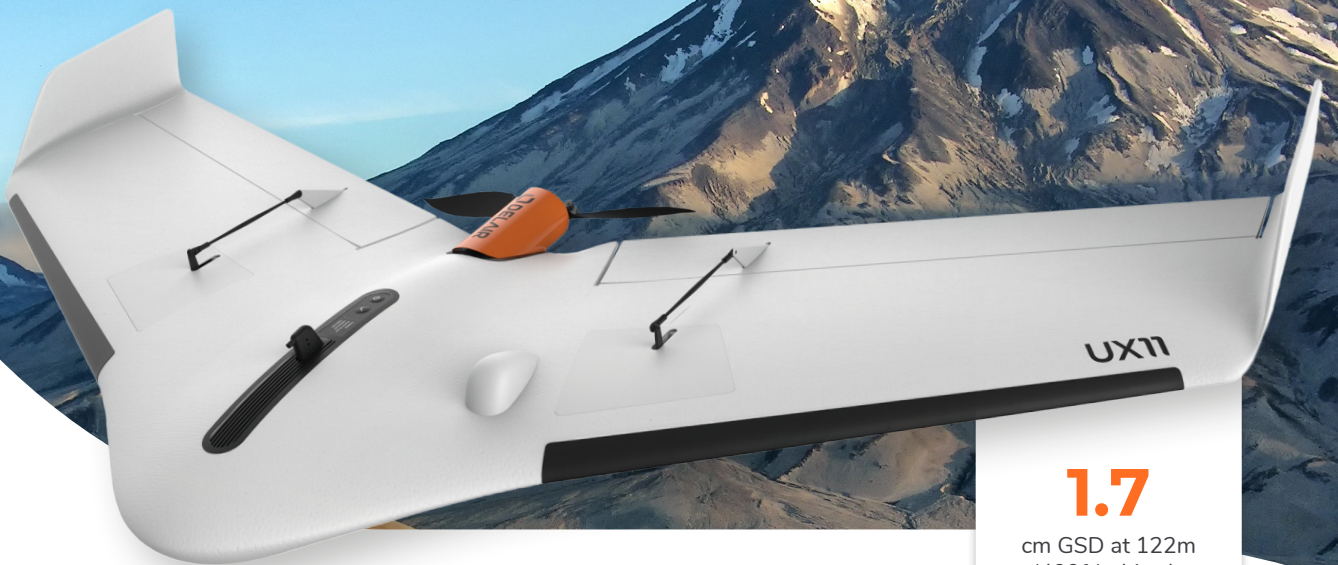




Precise aerial data, when you want.

CAPTURE AERIAL PHOTOS AND TURN THEM
INTO MAPS FOR BUSINESS INSIGHTS



1.7

cm GSD at 122m
(400ft) altitude

59

minute
endurance

UX11

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

Landfill Management



Key Differentiators

Map large areas faster - One pilot can map 9,6 km² (3,7 mi²) in an 8-hour day with 1,7 cm GSD at 122 m flight height.

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.

AI-ready with onboard edge processing - Start analyzing your imagery while the drone is still in the air.

UAV specifications

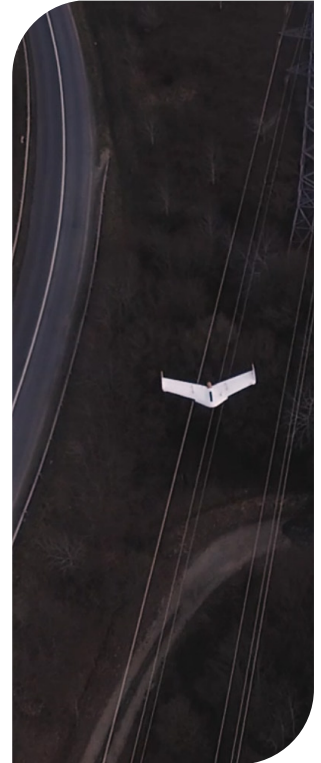
Endurance ^{1,2}	Up to 59 minutes
Weight (payload included)	1.5 kg (3.3 lbs)
Wingspan	1.1 m (43 in)
Deployment time ¹	5 min
Cruise speed ^{1,2}	54 km/h (34 mph)
Take-off / Landing	Hand-launched (angle: 30 degrees) / Belly landing (angle: 30 degrees)
Flying range ¹	53 km (33 mi)
Surface area covered ¹ ...	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)



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)

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.

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

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