DELAIR
A E R I A L I N T E L L I G E N C E

UX11

UPGRADES COMING SOON
PREORDER YOURS NOW

DELAIR XTENDED LINK Long range antenna

The Delair Xtended Link antenna has **up to 10x longer range** than the average drone communications radio link. Particularly well suited to linear projects and BVLOS operations, it can be added to any UX11 so you can fly farther while maintaining your data connection, command and control of the aircraft

Features
- Directional antenna
- Motorized auto-tracking of UAV
- Integrated 3G/4G modem for redundant comm link[1]
- No hardware modifications required
- Compatible with old and new UX11 systems
- Requires Delair Flight Deck Pro software for PC
- Supports image previews and live mapping
- Mounting tripod and rugged case included

Specifications

Range[2]	up to 25 km (15mi)
Battery duration	up to 6 hours
Working frequency	2.4 GHz
Data encryption	AES-128
GCS connection	WiFi or ethernet cable
Environmental conditions	-15 to 50°C (5 to 122°F), light rain

[1] Cellular service included in most areas for two years, see map on Delair website for details.
[2] Range varies according to power output configuration and may be impacted by the operating environment such as obstacles and interference. FCC and CE power output compliance can be configured in Delair Flight Deck Pro software settings or open settings may be applied for greatest range. Product is not laboratory certified.

ADS-B upgrades

Automatic Dependent Surveillance-Broadcast (ADS-B) is a technology enabling aircraft to broadcast their position to other aircraft for collision avoidance. Integrating an ADS-B device for sense and avoid on your UX11 may be required by regulators for specific operations such as BVLOS or flying in congested airspace, or it may simply give you peace of mind as a remote pilot.

Upgrade Options

- **uAvionix pingRX ADS-B receiver** (IN only) to sense surrounding traffic and warn remote pilot
- **uAvionix ping 2020i or 1090i[3] ADS-B transceiver** (IN and OUT) to also send drone's position to other aircraft
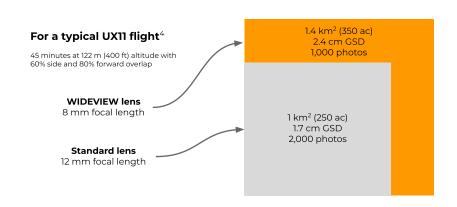
Features

- ADS-B module installed on UX11 aircraft (not on GCS)
- Nearby aircraft transmitting on ADS-B visible on map in Delair Flight Deck or Delair Flight Deck Pro software
- Available on UX11 systems both new and old (factory retrofit)

ADSB in/out

ADSB in

WIDEVIEW LENS upgrade for UX11 camera

Increase your efficiency by choosing our new camera lens, the Wideview. Its wider field of view allows the UX11 to map more ground in a single flight with fewer images. With only slightly lower resolution (GSD), you can save precious time and money in both the field and the office.

- Increase coverage by up to 40% per flight[4]
- Reduce number of photos taken by up to 50%
- Decrease data processing time by up to 70%[5]
- No distortion of image quality
- Available on UX11 systems both new and old (factory retrofit)

For a typical UX11 flight[4]

45 minutes at 122 m (400 ft) altitude with 60% side and 80% forward overlap

WIDEVIEW lens
8 mm focal length

Standard lens
12 mm focal length

1.4 km² (350 ac)
2.4 cm GSD
1,000 photos

1 km² (250 ac)
1.7 cm GSD
2,000 photos

[4] Coverage can be greater or less, will vary based on multiple factors including overlap settings, battery performance, weather conditions, and altitude. Maximum coverage for a 45-minute flight at 1000 m AGL with 60% side overlap is approximately 6 km2 with a GSD of 19.6 cm.
[5] Processing time will vary based on a number of factors including image size, computer specifications, and software used

Contact : sales@delair.aero

Learn more

DELAIR
www.delair.aero
FRANCE: Toulouse - Headquarters