

## Real-time Distribution of UAS Video and Telemetry

**AeryonLive** gets the right data to the right people, at the right time, enabling prompt and accurate decision making. For emergency response, search and rescue or critical infrastructure inspection, this means saving time, money or even lives.

**AeryonLive Video & Telemetry** is an integrated solution that streams live video and aircraft telemetry from the Aeryon SkyRanger sUAS across a secure, reliable bonded cellular network connection to enable:

**Low-latency video** – distribution in as little as 5 seconds glass-to-glass

**Role-based permissions** – user management and content access

**Turnkey solution** – a single source of software, hardware and network airtime

**Remote control** – certain aspects of video feed can be controlled by viewers (e.g. toggle stream on/off, or switch EO and IR cameras)

**Redundant, high-bandwidth communications** – video streams across up to 6 cellular networks and WiFi, satellite or Ethernet connections

**Real-time telemetry** – readout of critical aspects of aircraft location and performance indicators, including airspeed, battery levels, wind speed, restricted airspace, etc.

**No apps required** – secure, browser-based access from any size of screen

**Deployment Options** – choose between cloud-based infrastructure or on-premise (physical) server

**“As a first-response agency, it is critical that our chain of command sees what the SkyRanger sees, without delay. Watching the live video as well as telemetry gives everyone involved the critical data that’s needed when responding to incidents. AeryonLive has become an indispensable asset to our UAS operations.”**  
Mark Fairclough, Station Manager,  
Greater Manchester Fire and Rescue Service.

### TECHNICAL SPECIFICATIONS AND REQUIREMENTS:

#### Video Quality:

- Supports up to 1080i/60; 5mbps
- rtsp/rtmp, HDMI, HD/SD-SDI

#### Latency:

- under 5 seconds glass-to-glass

#### Telemetry:

- Telemetry & map overlay generated in-flight
- Positional data streamed & updated every second

#### Network Connectivity via Dejero GoBox:

- Up to 6x 3G/4G/LTE + WiFi, Ethernet, Satellite (BGAN, Ku-band, Ka-band)
- Secure bonded-cellular transmission
- Enhanced antennas for up to 4x improvement in RF coverage

#### Supported (Browser Based) Platforms:

- Windows, Mac (OSX)
- Android, iOS

#### Deployment Options

- Secure Cloud-based infrastructure (HTTPS proxy secure)
- On-premise server (2-source configuration)

#### Dimensions (WxHxD):

- GoBox: 13.8 x 12.0 x 7.0 in. (35 x 30.4 x 17.8 cm)

#### Weight GoBox:

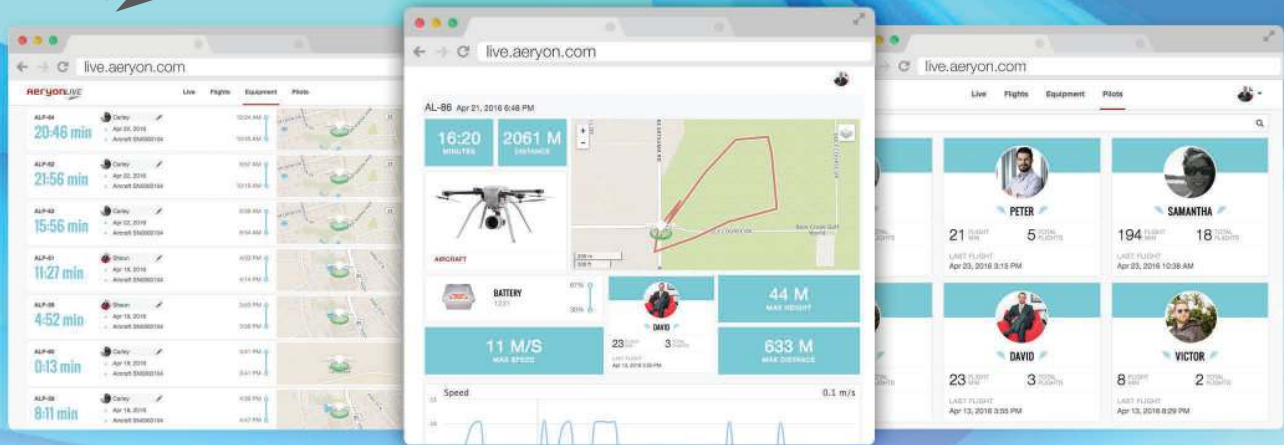
- 11.5 lbs (5.2 kg) without batteries

#### GoBox Operating Temperature:

- 0° C to +50° C (32° F to 122° F)
- Qualified operation up to 95% RH (non-condensing)

AeryonLive Video & Telemetry is available, globally, to Aeryon SkyRanger customers today. For more information, visit [www.aeryon.com/aeryonlive](http://www.aeryon.com/aeryonlive)

Call +1-519-489-6726 ext: 320 or email [sales@aeryon.com](mailto:sales@aeryon.com)  
[www.aeryon.com](http://www.aeryon.com) | [@aeryonlabs](https://twitter.com/aeryonlabs)



## Automatic Fleet Management and Aircraft Analytics

As UAS fleets increase in size and aircraft are flown more frequently, the need to maintain accurate flight logs and equipment records, and submit timely reports to regulators and insurers, becomes more challenging for UAS operators.

**AeryonLive Fleet Management** automates this previously manual process by maintaining an online connection to the UAS and providing deep, subsystem-level analytics on all aspects of usage and performance of a UAS fleet. This eliminates the risk of user error in record keeping, and presents a wealth of precise and detailed data on the aircraft and its subsystems (such as individual batteries) to help ensure airworthiness and maintain compliance with regulators and insurers.

**AeryonLive Fleet Management** capabilities provide:

**Pilot records** – Detailed pilot records, including frequency and duration of flights, flight locations, and equipment flown

**Equipment details** – Accurate analytics on aircraft status and performance, including N-number, software versions, battery capacity/cycles, hours on airframe

**Automatic flight log reporting** – Detailed flight records, including location, max airspeed and altitude, aircraft/equipment used, and other key data with automatic export capabilities for generating reports



*AeryonLive Fleet Management gives me the real-time, status of our aircraft and sub systems as the fleet data is automatically uploaded. This enables me to provide proactive solutions for our operations team, while minimizing inefficiencies and pilot down time. In addition to lowering the inherent cost associated with flight data management, AeryonLive Fleet Management eliminates the logistics headaches associated with traditional UAS systems.*

Jeremy Prine, Logistics Manager for Talon Aerolytics



Aeryon SkyRanger operators can sign up today for a **90-day free trial** at [live.aeryon.com](http://live.aeryon.com).

Call +1-519-489-6726 ext: 320 or email [sales@aeryon.com](mailto:sales@aeryon.com)  
[www.aeryon.com](http://www.aeryon.com) | [@aeryonlabs](https://twitter.com/aeryonlabs)