



FLYABILITY

ELIOS 3

2024-10 release notes

Bug fixes, new features and known limitations

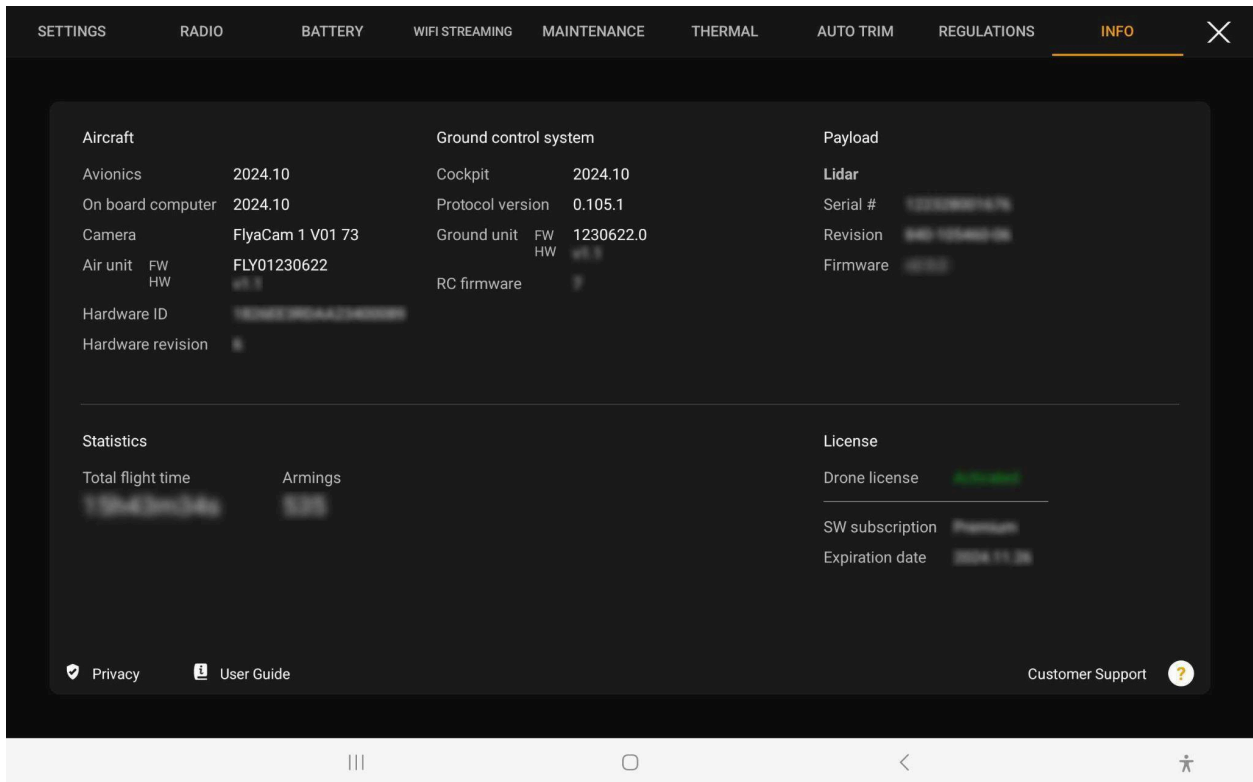
November, 2024

Updated E3 components versions

Drone firmware: gaston_2024.10.1.swu

Cockpit software: Flyability-Cockpit-2024.10-release.apk

Inspector software: InspectorSetup-24.10.0.183-x64-Release.msi



What's new?

Radiometric Thermal Camera

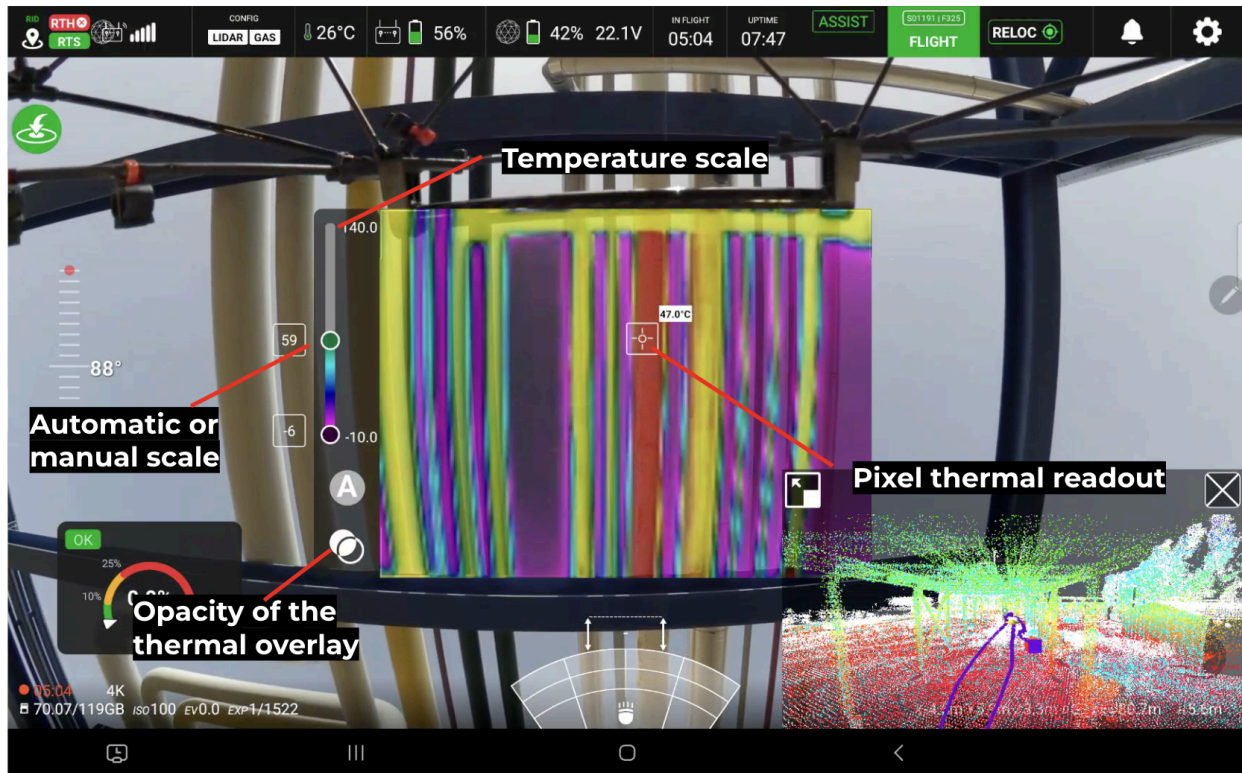
All Elios 3 drones have now radiometric measurement enabled. This enables you to see live temperature measurements while in flight and review them from Inspector in post-processing.

Specifications

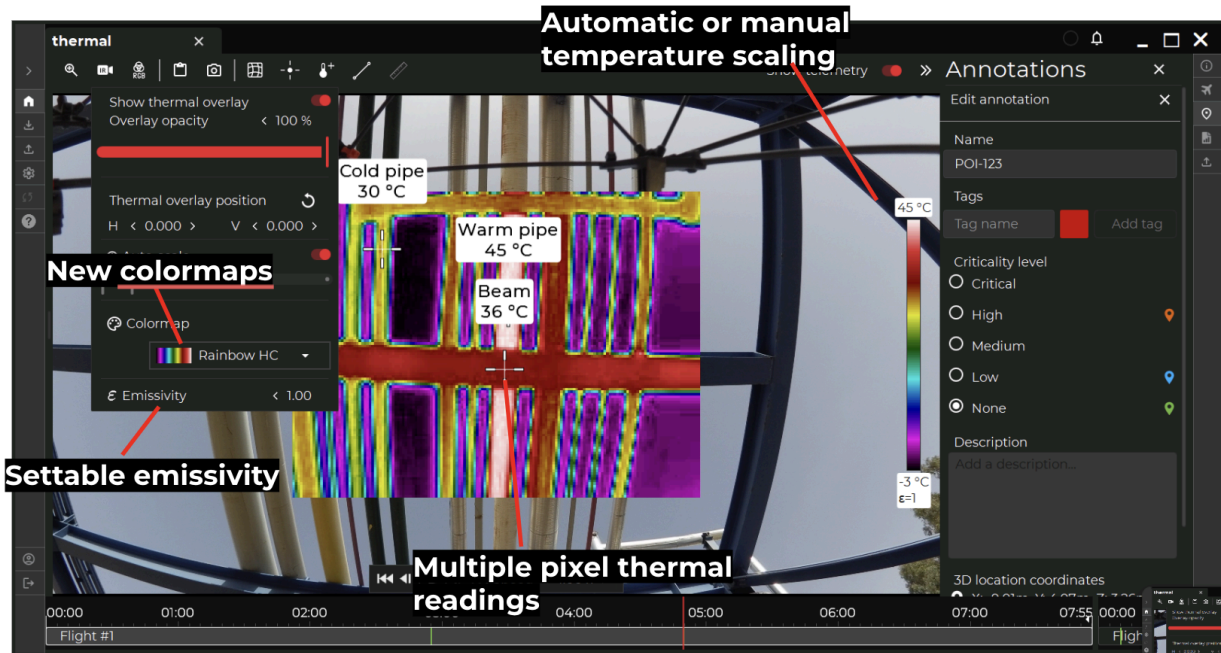
- Resolution: 160 x 120
- FOV 56° x 42°
- Frame Rate: 9 fps
- High gain mode : -10 °C to +140 °C (± 5 °C or 5% which ever is higher)
- Low gain mode : -10 °C to +400 °C (± 10 °C or 10% which ever is higher)
- Settable units : °C or °F
- Settable emissivity

See a demonstration video [here](#).

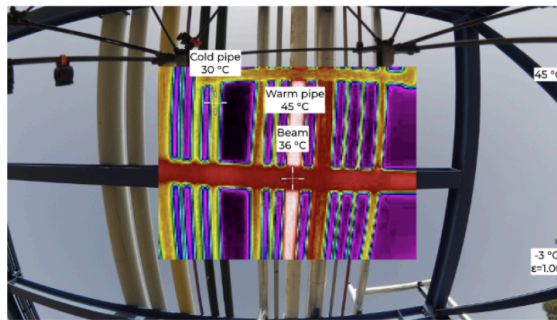
Cockpit interface



Inspector Interface



POI-123



Criticality:

High

Emissivity:

1.00

Point	Temperature
Warm pipe	44.5 °C
Beam	35.8 °C
Cold pipe	30.4 °C
Min	-3.2 °C
Max	45.2 °C

Thermal information in the reporting

Gas LEL Payload

Support of the Gas LEL payload added. For more information, see [here](#)

UT improvements

- **UT tabs - Measurement display:** Updated measurement display window with user experience improvements.
- **UT tabs - Measurement edit:** Ability to refine measurements, including peak selections within a POI. Ability to create new POIs from the UT window.
- **UT tabs - Calibration display:** Ability to see all calibrations that were done in the field, including the associated A-Scans.
- **UT tabs - Calibration edit:** Ability to edit calibrations and associate them to measurements. Ability to create a new calibration and apply it to measurements.
- **Report - Inspection Overview:** Ability to create screenshots of the 3D model and name them in the report to better illustrate the location of the measurements.

See a demonstration video [here](#).

Inspector/Cloud download and sync

With our latest software release, we're enhancing data management between Flyability Cloud and Inspector. You can now download datasets directly from Flyability Cloud into Inspector for local access and detailed analysis.

You can also set up continuous 2-way sync, ensuring that updates made in either Inspector or the Cloud are automatically mirrored across both platforms.