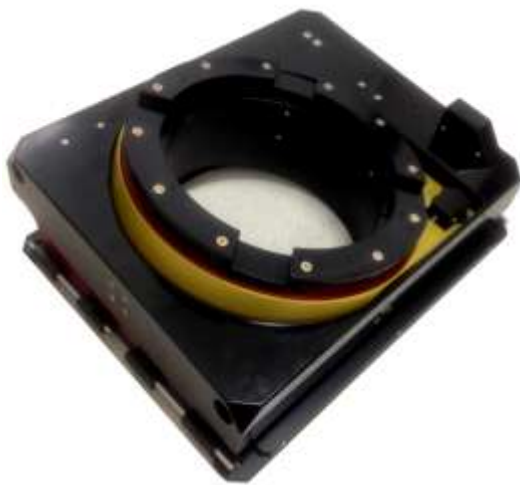




## SteadyTrack LG Stabilization Mount



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# SteadyTrack LG

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The SteadyTrack LG is a large sensor stabilization device that can be installed within any aircraft. Movement of the aircraft is corrected so that the attached sensor is always properly aligned with the track of the aircraft while remaining vertical. This is a Track'Air mount produced by American daughter company Lead'Air.

The LG model of SteadyTrack can stabilize heavy sensors up to **90 kg**. Lead'Air can customize the unit so that it will fit your needs. **Agile, smooth and accurate** the SteadyTrack LG will save the consumer time and money by **capturing quality data**.

## FEATURES

- Properly aligned sensing – Roll, Pitch and Heading compensated *simultaneously* to the limit of the mount.
  - Extreme Range – The SteadyTrack LG can move with a greater range of angles ( $\pm 11.65^\circ$  roll,  $\pm 9^\circ$  pitch,  $\pm 29^\circ$  yaw simultaneously). No error issues at limits.
  - **Custom Built** – Lead'Air works with its customers so that any sensor can be configured to work with the SteadyTrack LG Mount.
  - Adjustable – The LG mount calibrates within seconds. It can be oriented in any of four directions. Moving the mount to other aircraft will be a breeze.
  - Fast and Accurate – Images are typically within  $0.2^\circ$  of vertical and track of the aircraft.
  - Appropriate Pricing – By using an IMU rather than gyros for stabilization we can provide an accurate device at a reduced price point.
  - Manual Lift – Made with a hinge and handle system the LG Mount can be manually lifted and set in place allowing the sensor to be easily cleaned.
  - Custom Fit – The mount can be placed in confined spaces within the aircraft. The LG mount can be configured so that it is limited to a lesser degree of freedom if confronted with an obstacle (for example, of the  $9^\circ$  of available pitch, the mount can be limited to  $6^\circ$  due to the obstruction).
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# SteadyTrack LG Specification

## Stabilization Ranges

<b>Roll:</b>	<b><math>\pm 11.65^\circ</math></b>
<b>Pitch:</b>	<b><math>\pm 9^\circ</math></b>
<b>Yaw / Drift:</b>	<b><math>\pm 29^\circ</math></b>

Payload: 0kg to 90kg

Operational Voltage: ~28VDC

Power Consumption: ~120W Max

Operational Temperature: 0°C to 70°C

Maximum Sensor Diameter: 360mm

Sensor Mount Weight: 25 kg

SteadyTrack Controller Weight: 12 kg

Dimensions: 520mm W x 685mm L x 150mm H

Standard Deviation:  **$\leq 0.2^\circ$  RMS**

\*All data subject to change