



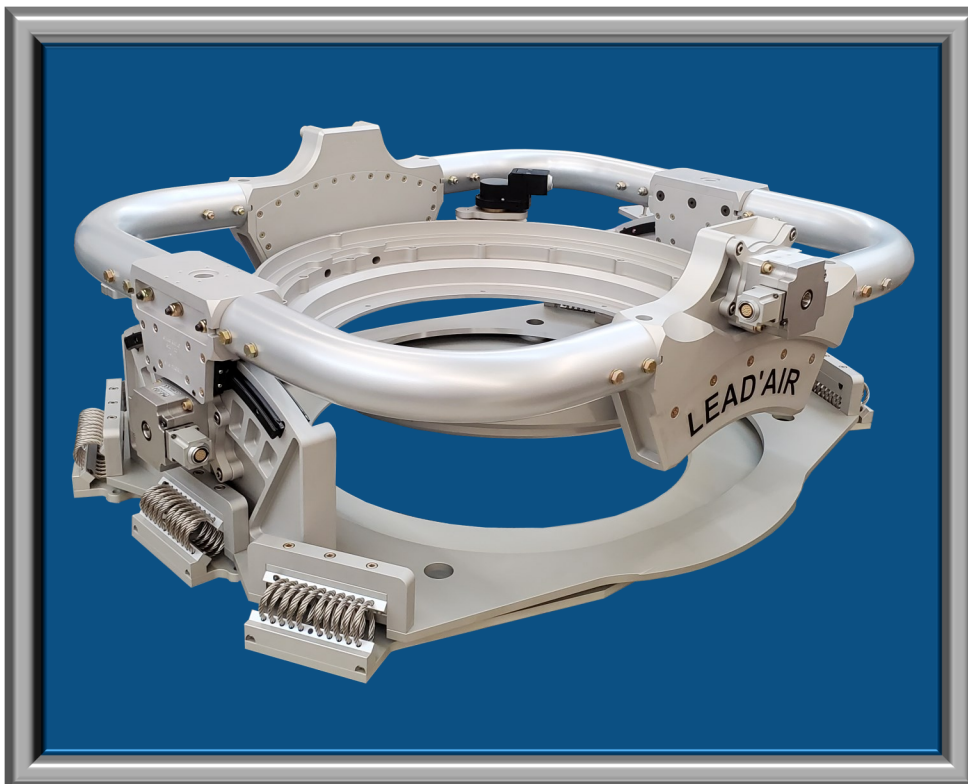
Aerial Survey Camera Systems

## SPHAIR MOUNT

STABILITY ON A SPHERE

Lead'Air has created the **SPHAIR MOUNT**, an IMU stabilized gimbal capable of handling even the largest of the Riegl VQ-880 and VQ-1560 series!

This new generation of stabilization will allow the scanners a range of compensation to  $\pm 15^\circ$  bank,  $\pm 12^\circ$  pitch and  $\pm 45^\circ$  drift allowing simultaneous maximums of roll, pitch, and yaw axes.



Breaking from traditions of the stabilized gimbals of the past, the SPHAIR Series is designed to allow the sensor to lower further into the aircraft port.

In addition, it will enable the sensor to stay centered while stabilizing in three axes, avoiding data cutoff when extreme aircraft movements cause the traditional mount to push the sensor toward the edge of the port.



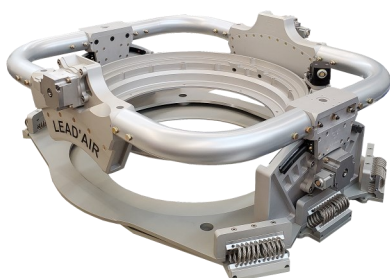
Contact [SalesUSA@trackair.com](mailto:SalesUSA@trackair.com) for more information on this **NEW ADDITION** to the **Lead'Air Product line.**

# SPHAIR MOUNT

STABILITY ON A SPHERE

## Mount Specifications

SPHAIR HEAVY STABILIZED PLATFORM	
<b>Standard 20-inch 51cm camera hole</b>	<b>Performances</b>
Maximum roll compensation	-15° to +15°
Maximum pitch compensation	-12° to +12°
Maximum yaw compensation	-45° to +45°
Max Roll + Max Pitch + Max Yaw	Possible
Attitude control	IMU data
Maximum correction reaction speed	15° per second
Typical residual deviation from vertical	<0.2°
Weight (XL)	170 lbs. / 77 kg
FMS Interface	X-Track and Programable API
IMU Interface	Applanix, Novatel and others using NMEA
Voltage	22 to 30 VDC
Power consumption at 28V DC	Average 15A 270W peak 20A 360 W
Operating temperatures	- 0° C to + 55° C
Storage temperatures	- 40° C to + 85° C
Payload	250 lbs. / 114 kg
STANDARDS	RTCA DO-160-G
CONFORMITY	CE, FCC
Crash resistance calculated	9G



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