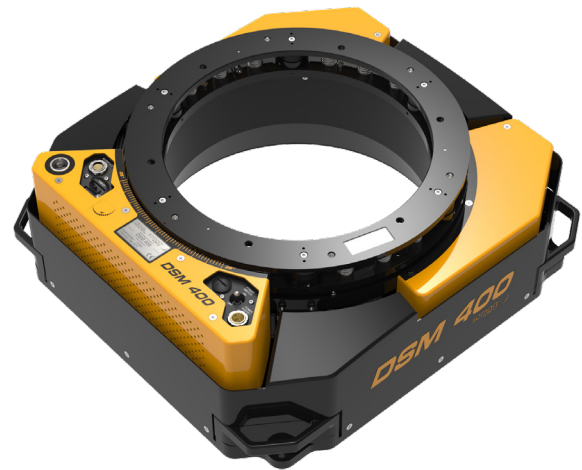


Dynamic Stabilization Mount - DSM 400

Cost efficient and medium modular stabilization devices gain more importance. For this case we developed the DSM 400, a high class Gyro Mount for medium format cameras and sensors. The Mount comes with a new simplified and redesigned control panel. The panel includes one FMS port and an USB port to connect with our SOMAG Mount Control App.

Key Features

- ▲ Electromechanical gimbal system
- ▲ Gyro Mount for multiple medium format cameras and sensors
- ▲ Passive Vibration Isolation Ring for decoupling of high frequency oscillations
- ▲ Usable with SOMAG Mount Control App



Field of Application



Phase One Aerial Systems

Application Examples

Riegl VUX-1LR



















Itres microCASI 1920



NEO VNIR - 1800

Technical Specifications

Angular Stabilization Ranges ¹					
Pitch at 0° Roll				≤±10.5°	
Roll at 0° Pitch				≤±10.5°	
Yaw (Drift)				≤±25.0°	
Residual Angular Rate ¹				≤0.5°/s rms	
Residual Deviation ¹					
with IMU support ²				≤0.08° rms	
without IMU support (with feature 'Performance Boost')				≤0.3° rms	
Mass				14 kg	
Payload ³				5...35 kg	
Usable Diameter				Ø270 mm	
Dimensions (Regular Leveling Position)			Length 460 mm	Width 430 mm	Height ⁴ 165 mm
Interface				RS 232 / USB	
Operational Voltage				28 VDC (24...30 VDC)	
Power Consumption at 28 VDC				30 W rms / Peak 120 W	
Recommended Pre-Fuse				15 Amp Fuse	
Operating Temperature				-15 °C...+55 °C	
Storage Temperature				-40 °C...+85 °C	
Gimbal System			Electromechanical Gimbal System		
Applied Standards			RTCA DO-160G, EUROCAE-14G, ISO 7137, 2006/42/EC Machinery		

¹ Vehicle angular motion <10°/s with typical data acquisition profile frequency spectrum

² Residual deviation depends on accuracy of used IMU

³ Minimum payload is based on usage of Passive Vibration Isolation Ring

⁴ Minimum: 131 mm / Maximum: 199 mm