

VEXCEL
IMAGING

ULTRAMOUNT

Because your jobs
hang in the balance





ULTRAMOUNT

Smooth sailing

The UltraMount product line dynamically stabilizes UltraCam systems in the aircraft allowing for blur-free, consistent and aligned exposures.

Vexcel Imaging's UltraMount product line offers you several options to drastically reduce movement of the airborne sensor and ensure aligned exposures. For optimized stabilization accuracy, direct INS data input is supported for all UltraMounts.

The UltraMount GSM 4000 features high efficiency at high payloads. The hydraulic system contains four cylinders and two servo pumps and guarantees best compensation for drift, roll and pitch movement. The simplified mount control panel allows you to set up and monitor different parameters, upgrade firmware and

check system health condition.

The GSM 3000 offers a well-known technology which is suitable for cost efficient entry level applications (refurbished Mounts). The UltraMount SteadyTrack LG is designed for utmost installation flexibility and can be oriented in any of the four directions. For easy handling of the mount, it features a hinge and handle system to manually lift the mount and to set in place.

All UltraMounts can be complemented with the UltraNav flight management system and are compatible with all UltraCam systems.



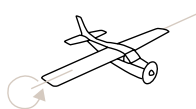
CARL STEPHAN
ULTRAMOUNT CUSTOMER

“Vexcel Imaging products are my first choice in aerial equipment. Perfectly integrated and attuned, the different modules — mount, sensor, flight management — work in perfect harmony. Simply the most reliable systems I have ever operated! Thanks for a great product as always.”

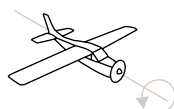
Specifications & details

Technical changes, printing errors, mistakes and amendments reserved.

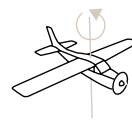
STABILIZATION RANGES



Pitch



Roll



Yaw

| | GSM 4000 | GSM 3000 | SteadyTrack LG |
|--|---|--|--|
| Pitch at 0 deg roll | ± 8.8 deg | ± 8.4 deg | ± 9.0 deg |
| Roll at 0 deg pitch | ± 7.0 deg | ± 6.2 deg | ± 11.65 deg |
| Yaw (drift) | ± 25.0 deg | ± 25.0 deg | ± 29.0 deg |
| Compensable angular rates | ± 25 deg/sec | ± 25 deg/sec | ± 55 deg/sec |
| Residual angular rate of the horizontal axes | ≤ 0.2 deg/sec rms | ≤ 0.2 deg/sec rms | ≤ 0.2 deg/sec rms |
| Deviation from perpendicular without INS/IMU | ≤ 0.3 deg rms typically | ≤ 0.3 deg rms (without IMU support) | - |
| Deviation from perpendicular with INS/IMU | ≤ 0.02 deg rms typically (accuracy depends on INS) | ≤ 0.05 deg rms (with IMU support) (accuracy depends on IMU) | ≤ 0.2 deg rms typically (accuracy depends on INS) |

OPERATIONAL SPECIFICATIONS



| | GSM 4000 | GSM 3000 | SteadyTrack LG |
|---------|--------------|--------------|----------------|
| Payload | 10 to 120 kg | 20 to 100 kg | 0 to 90 kg |



| | | | |
|----------------------|--------------------------|-------------------------|-------------------------|
| Operational voltage | 28 VDC (24 ... 30 VDC) | 28 VDC (24 ... 30 VDC) | ~ 28 VDC |
| Power consumption | 70 W typical, 130 W max. | 90 W rms /Peak 130 W | ~120 W max. |
| Recommended pre-fuse | 15 Amps circuit breaker | 15 Amps circuit breaker | 15 Amps circuit breaker |



| | | | |
|-----------------------|------------------|------------------|------------------|
| Operating temperature | -25 °C to +60 °C | -25 °C to +40 °C | 0 °C to +70 °C |
| Storage temperature | -40 °C to +85 °C | -50 °C to +70 °C | -40 °C to +85 °C |



| | | | |
|-------------------------|---|--|--------------------|
| Dimensions | 615 x 530 x 175 mm (hydraulic system at operational elevation) | 620 x 560 x 187 mm (162 mm if oil is drained off) | 685 x 520 x 150 mm |
| Mass | ~ 29 kg | ~ 35 kg | ~ 25 kg |
| Maximum Sensor Diameter | 410 mm | 410 mm | 360 mm |

BENEFIT FROM OUR TECHNOLOGY

When you partner with Vexcel Imaging,
you get more than a camera.

You get cutting-edge technology combined
with a progressive service concept for
constant product upgrades, world-class
support and one-stop solutions.

Today and tomorrow.



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