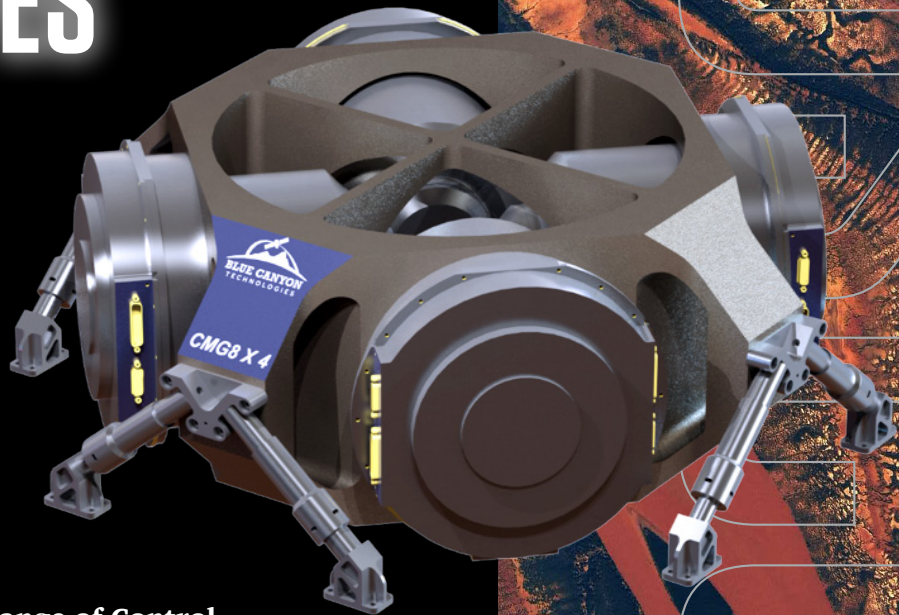




Spacecraft Buses,  
Systems & Solutions

# CONTROL MOMENT GYROSCOPES



**The Blue Canyon Technologies range of Control Moment Gyroscopes (CMGs) are built to provide your spacecraft with expanded agility necessary to navigate a successful mission.**

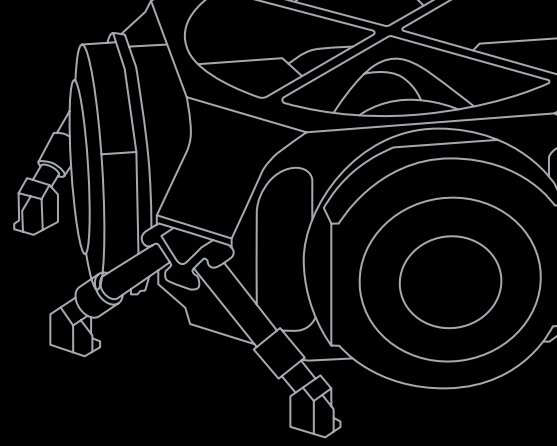
BCT CMGs offer improved torque performance at lower power consumption versus reaction wheels. Leveraging BCT Reaction Wheel technology, the CMGs provide low-jitter and long-life performance for your mission.

## CONTROL AND DRIVE ELECTRONICS

Flexible interface options include discrete CMG torque and momentum control to fully integrated spacecraft attitude control systems using up to 4 CMGs.



# CONTROL MOMENT GYROSCOPES



**CMG-8**



**CMG-12**

MOMENTUM	8 Nms	12 Nms
TORQUE	8 Nm	12 Nm
GIMBAL AXIS ANGULAR RANGE	Unlimited	Unlimited
MASS	Up to 4 CMG	15 kg
VOLUME	Pallet Configuration	340mm x 43mm x 380mm
VOLTAGE	22-36 VDC	22-36 VDC
POWER, FULL MOMENTUM	15W	20W
POWER, MANEUVER	30W	35W
COMMUNICATION	RS422	
GIMBAL MANEUVERS	>2 million	
DESIGN LIFE	>10 years	



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