

SPACECRAFT SYSTEMS

Micro Dual-Axis Antenna Drive Mechanism

The CE-5 series micro dual-axis antenna drive mechanism is designed to control antenna orientation for ground communication and data transmission.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-GDAM/A-11-3A
Output Torque	> 3 N·m
Flight Heritage	2019
Application	Microsatellite
Dimensions (mm)	186 × 133 × 215
Weight (g)	1300
Mounting Material	2A12
Operating Temperature (°C)	-30 to +120
Storage Temperature (°C)	-160 to +120

Quick Overview

The CE-5 series micro dual-axis antenna drive mechanism is designed to control antenna orientation for ground communication and data transmission.

Key Specifications

Parameter	Value
Model	C-GDAM/A-11-3A
Output Torque	> 3 N·m
Flight Heritage	2019
Application	Microsatellite
Dimensions (mm)	186 × 133 × 215
Weight (g)	1300
Mounting Material	2A12
Operating Temperature (°C)	-30 to +120
Storage Temperature (°C)	-160 to +120

Key Features

- Ultra-low temperature resistance technology.
- Lightweight and compact design.
- High torque-to-volume ratio.
- Space-grade dust protection technology.

Applications

- Used for dual-axis antenna pointing and tracking on microsatellite platforms, ensuring stable ground communication and scientific data transmission.

Documentation & Resources

- [Technical Specifications](#)
- [Applications](#)