

COBRA™ Commander

High-Performance Controller Unit for COBRA Pointing Gimbals

Description

The COBRA™ Commander is a driver for TUI’s three-degree of freedom carpal wrist COBRA gimbal, designed to provide pointing and positioning capabilities for robotic systems. COBRA Commander is capable of singularity-free and continuous full-hemispherical pointing and slew rates of greater than 30 degrees per second.



Why COBRA™ COMMANDER?



Flight Heritage

Currently operating on several missions



Singularity-Free

Continuous, full-hemispherical pointing and slew rates of greater than 30 degrees per second

Function	COBRA COMMANDER
Size	90.4 x 98 x 40mm
Mass	<500 grams
Input Voltage	9-34.6 VDC
Operating Temperature	-35C to +60C
Command Protocol	UART
Interface Options	RS-422, LVDS
Encryption Options	Available upon request