

A system consisting of 12 drones equipped with dual-axis rotation platforms

**Product: High-precision servo dual-axis turntable system
(for small rocket penetrator launchers)**



I. Basic Information

classify	Parameter Details
Compatible Devices	The 7-inch small rocket transitorial vehicle
Load-bearing capacity; Surface flatness of the workbench	$\leq 0.01\text{mm}$
Workbench vibration amplitude	$\leq 0.01\text{mm}$
Axis Perpendicularity	$\leq 5''$
Horizontal rotational speed	$0.1 \sim 50^\circ/\text{s}$
Horizontal Rotation Range	360°
Lateral rotation speed	$0.01 \sim 50^\circ/\text{s}$
Shell Material	Steel + PLA + Carbon Fiber (customizable in bulk)
Range of tilt and rotation	$-20 \sim 90^\circ$
Angular Rate Stability	$\leq 0.005^\circ/\text{s}$ (average over 360°)
Maximum rotational angle acceleration	$\geq 25^\circ/\text{s}^2$
Accuracy of horizontal and pitch angular velocity	$\leq 0.05 \text{ mil/s}$ (with a maintained angular velocity range of $0.01\text{--}30^\circ/\text{s}$)
Level and pitch angle resolution	$\leq 1''$
measuring accuracy	$\leq 10''$
Maximum 載 capacity	12

Length * Width * Height	1200*600*1670
weight	150kg
working voltage :	DC 24V (industrial standard for vehicle-mounted turrets)
power	Rated power: 800 W, Peak power consumption: 1500 W

V. Temperature Range and Operating Environment

- Operating temperature: -10°C to +65°C
- Storage temperature: -20°C to +75°C
- Usage Environment: All-weather outdoor deployment

VI. Optional Remote Control Expansion Module

Integrated remote control functionality, transmission control, AI-based locking command sending, and video feed display linkage (fully supported)

VII. Task Application Parameters

1. Main Application: High-speed interception platform for rapid deployment of drones
2. Deployment method: On-board or Fixed
3. Response characteristics: rapid aiming, rapid firing
4. Tactical effect: Shortens the attitude adjustment time after drone takeoff
5. Operation Mode: Radar-Linked Launch
6. Common scenarios: Base defense, protection of key targets, low-altitude drone interception, mobile patrol defense