



# Product Specification Table of 400 Super High Speed Rocket Interceptor UAV

Category	Parameter name	Core specifications
<b>I. Basic Configuration Parameters</b>	Product model	FX400
	Overall dimensions (length × width × height)	194mm × 194mm × 362-mm
	Rated payload	200g
	Full load weight of the machine	1.3kg
	Main body material	High Strength ETG Material + Carbon Fiber Composite Structure
	Power supply scheme	High power lithium battery
	<b>II. Core Flight Performance</b>	Speed range with load
Maximum level flight speed with load		430km/h
Maximum speed duration		15s
Maximum climb ratio		70m/s
Standard battery life		7min
Maximum operational radius		15km

	Practical ceiling	5000m
	Maximum wind resistance	Level 6 (12 m/s, 43 km/h)
<b>III. Guidance and Perception System</b>	Core guidance scheme	Airborne AI Module Visual Guidance (Infrared + Visible Light) + Dedicated Terminal Guidance Algorithm
	AI processing unit	Ai6t airborne AI module
	Visible light camera	Global exposure camera, 120fps high frame rate
	Infrared thermal imaging camera	60fps frame rate, 640×512 resolution, -9.1mm focal length
	Attitude control accuracy	The yaw angle in the pitch and roll directions is $\leq -0.02^\circ$
	Omnidirectional maneuverability	The roll angle and heading angle have a full $360^\circ$ range of motion.
<b>IV. Communication and Control System</b>	Distance of telemetry and control	Integrated image and data transmission, up to 15km (actual distance may vary depending on the site conditions)
	Compatible control protocol	CRSF protocol, network IP, SBUS, serial port commands, and extensible PWM protocol
<b>V. Environmental Adaptability and Reliability</b>	Levels of protection	IP6 protection
	Operating ambient temperature	-30°C to +65°C (pre-insulation required for batteries in low-temperature conditions)