



# FX350 Hypersonic Rocket Interception Drone Product Specifications

Category Sections	Parameter name	Core Specifications
I. Basic Configuration Parameters	Product Model	FX350
	Overall machine dimensions (lengthx widthx height)	mm
	Rated effective load	200g-1000g
	Full load weight	Less than 3kg
	Body material	High-strength ETG material + carbon fiber composite structure
	Power supply scheme	High-performance power lithium batteries
	II. Core Flight Performance	Load capacity500gCruise speed range
Load capacity500gMaximum level flight speed		300-360km/h
Duration of top speed		15s
Maximum rate of climb		70m/s
Standard battery life		10min
Maximum combat radius		15km

	Practical ceiling	5000m
	Maximum wind resistance	6Level(12m/s,43km/h)
III. Guidance and Sensing System	Core guidance scheme	AirborneAIModule Visual Guidance (Infrared +- Visible light) + dedicated terminal guidance algorithm
	AI processing unit	Ai6tAirborneAIModule
	Visible light camera	Global exposure camera, 120fps High frame rate
	Infrared thermal imaging camera	60fps frame rate, 640x512 resolution, -9.1mm focal length
	Attitude control accuracy	Pitch and roll angular jitter $\leq -0.02^\circ$
	All-directional mobility	Roll and yaw angles have a 360° range of motion.
IV. Communication and Control Systems	Measurement and control and image transmission distance	Integrated image and data transmission, maximum range of 15km (actual distance may vary depending on site conditions).
	Compatible control protocols	CRSF protocol, network IP, SBUS, serial port commands, and extensible PWM protocol.
V. Environmental adaptability and reliability	Protection level	IP6protection level
	Operating ambient temperature	-30°C~+65°C (Low temperature conditions- (Batteries need to be kept warm in advance)