

Guardian-1 Interceptor

High-speed counter-UAS interceptor. Shahed & Geran class.

The Guardian-1 Interceptor is a counter-drone interceptor designed for one-way attack drones, including Shahed-136 and Geran-2, and other Group 3-class unmanned threats. With a maximum speed of 340 km/h, a cruising speed of 160 km/h, and a maximum flight altitude of 5,000 meters, it delivers kinetic intercept capability against slow-moving aerial threats at a fraction of the cost of traditional air defense systems. The 9-inch carbon frame with 6mm beams provides exceptional structural rigidity at high-speed impact while maintaining a lightweight 2.65 kg flight-ready weight. Powered by 3115 900KV motors and an 8S 8500mAh battery, the Guardian-1 Interceptor achieves up to 28 minutes of maximum flight time and a 15 km working engagement radius. The platform features ELRS diversity control, digital video transmission with a 1/1.8" 1080p 100fps camera sensor, and an F405/F722/F743 flight controller stack with 70A ESCs, enabling precise high-speed tracking and terminal engagement in contested airspace.



TECHNICAL SPECIFICATIONS

WEIGHT (NO BATTERY)	1.3 kg	FRAME	9" carbon – 6mm beam
WEIGHT (WITH BATTERY)	2.65 kg	FLIGHT CONTROLLER	F405 / F722 / F743 – ESC 70A
MAX PAYLOAD	0.5 kg	MOTORS	3115 – 900 KV
WORKING PAYLOAD	0.3 kg	PROPELLERS	8x8x2
MAX SPEED	290–340 km/h	CONTROLS	ELRS Diversity
CRUISING SPEED	160 km/h	VIDEO	Digital
MAX FLIGHT TIME	28 min	CAMERA	1/1.8" sensor – 1080p 100fps
LOADED FLIGHT TIME	9 min	ANTENNA	5.725–5.850 GHz, 150–160mm
WORKING RANGE	15 km	BATTERY	8S1P 8500mAh
MAX ALTITUDE	5,000 m		