

Spectra, Striker, and Shaker flying wing platforms

All named aircraft are configured as flying wings and are made of composite materials of expanded polystyrene foam, carbon fiber, and ABS. It is considered a “frangible” UA in that sufficient impact will cause the aircraft to distribute any attenuated impact load by coming apart. Typical configuration of the Spectra is as follows:

Aircraft Type: Spectra AP flying wing

Manufacturer: RPFlytSystems, Inc.

Construction: EPS foam/ABS/composite

Aircraft Empty Weight: 31 oz.

Aircraft RTF AEW: 47 – 54 oz.

Propulsion: Electric AXI outrunner

Power : 3200 MaH lithium polymer flight batteries

Onboard electronics: FMA FS8 CoPilot with failsafe, Eagle Tree

Telemetry

Optics : (1) still E/O imager, up to (2) video CCD video cams, 2.4Ghz.

Launch Type : Hand launch

Landing Type : Skid, net retrieval

Launch Speed : 15 mph

Cruise Speed : 32-34 mph (@ 75% power)

Cruise Speed : 28 mph (@ 50% power)

Landing Speed : 15 mph

Stall : 14 – 18mph (depending upon wing loading)

VNE : 75 mph

Duration : 45 minutes (5K MaH battery, 50% power)