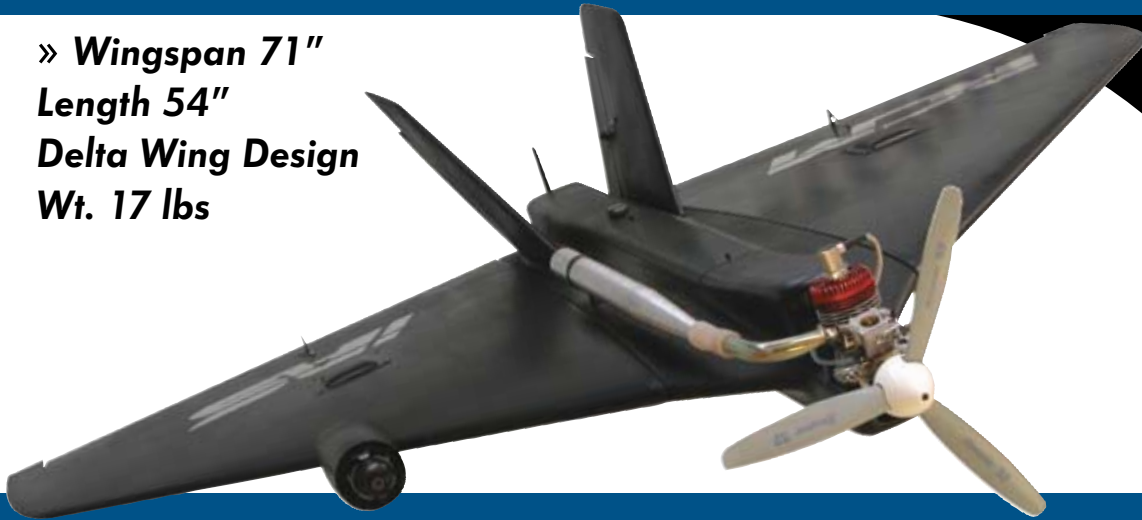


AV-8 "BACKLASH" Unmanned Reconnaissance Vehicle (URV)

» **Wingspan 71"**
» **Length 54"**
» **Delta Wing Design**
» **Wt. 17 lbs**



The AV-8 "Backlash" is the ultimate in high performance recon/surveillance aircraft.

The airframe can be modified for a variety of applications such as fast moving target, RPV, aerial avionics test platform, GPS test platform and a wide range of other applications.

- » Powerplant 2.15 C.I. 2-cycle gas engine or Electric Outrunner Motor
- » Cruise speed 90-120 knots/loiter speed 18 knots
- » Flight Duration - approximately 4 hours at loiter speed
- » Fuel - gasoline for 2-cycle engine or Lithium Poly, Lithium Ion or Lithium Manganese Battery Packs for Outrunner Type Electric Motor
- » Optional canards available for slow speed maneuverability
- » Launched from our completely self-contained pneumatic LS-2 launcher system
- » Recovery can be either belly landing, ballistic parachute, catch net, or conventional take off and landing using optional retractable landing gear
- » The airframe can be disassembled into 5 individual pieces
- » The wings and vertical stabilizers plug in to the fuselage
- » A custom carrying case is provided with all AV-8 Aircraft
- » Optional multi axis, wing mounted camera pod - or retractable belly mounted, 360 degree, multi axis, ball turret camera system
- » Extremely high resolution camera systems available
- » Optional line of sight radio control version available for close in operations or to distances of over 4000 meters with a qualified operator
- » Fully Autonomous Flight Control package with auto launch, multi-waypoint, and

- autoland features comes as standard equipment
- » Real time telemetry is transmitted to the AGS-21A Ground Support Station, - displaying GPS coordinates, air speed, artificial horizon, altitude, and other data. Joystick controls for the camera system and manual flight mode comes as standard equipment on the AGS-21A
- » The AGS-21A is a rugged duty military spec laptop with detachable controls
- » Comes with its own custom carrying case, that can be used for shipping
- » Payload - 5-15 pounds with 2.15 C.I. 2-cycle gas engine or electric outrunner motors, higher payloads with larger powerplants
- » Unique Launch system can be used as a stand alone system using the tripod assembly, or can be mounted to a standard utility trailer, or can be plugged into a ball hitch receptacle for use on a SUV or standard utility truck.
- » Special M2 - 50 Cal M48 turret type, fixed type, and soft-mount machine gun mount adapter for the LS-2 Launch system available for military applications

The "Backlash" is a multi-role aerial platform used primarily in reconnaissance, surveillance, and patrol. The AV8 features real time video transmission and fully autonomous or radio controlled flight, zero distance launch capability, and flight plan rerouting from ground support station.