

AV-3 "SCOUT" Micro Unmanned Aerial Vehicle (MUAV)

» **Wingspan 32" / Length 28" / Delta Wing Design**
Wt. 4 lbs, 6 oz.



The AV-3 can be configured for: Search and Rescue, pipeline inspection, refinery patrol, power plant surveillance, prison patrol, government buildings, hazardous area surveillance, inaccessible location surveillance, wildfire reconnaissance, drug interdiction, police surveillance, storm damage assessment, traffic assessment, and much more.

- » Powerplant Electric Brushless Outrunner Motor
- » Fuel - Lithium Manganese Battery
- » Flight duration Loiter speeds 1.7 hours - Cruise speed 70 minutes
 - Maximum speed 30 minutes
- » Cruise Speed 70-90 knots/Loiter Speed 20 knots approximate
- » New power systems are available for much longer flight times
- » This aircraft is capable of being hand launched with very little training
- » Autonomous Flight Package allows for immediate flight plan execution
- » Recovery is typically a belly landing on most any type of terrain. An alternate catch net setup can also be used in any location.
- » Optional retractable belly mounted, 360 degree, multi axis, ball turret camera
- » Optional wing mounted forward and side looking camera pod
- » 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. ACM proudly uses the Micrpilot 2028 series autonomous flight control package.
- » Real-time telemetry is transmitted to the AGS-21 Ground Support Station displaying GPS coordinates, air speed, artificial horizon, altitude and other data
- » Joystick controls for the camera system are optional-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 custom carrying case which can be used for shipping.
- » Payload 1 - 1.5 pounds with electric Outrunner motors, higher payloads with larger, more efficient powerplants
- » Bungee Cord Launcher System available
- » Flight plan rerouting from Ground Support Station.
- » Light, durable, and reasonably inexpensive
- » Easily maintained in the field or in the shop
- » Interconnected sensor compartments allow for the easy installation of various sensors, controls, and devices by simply removing a few fasteners
- » Completely backpackable using a custom backpack, or can be carried in a custom carrying case weighing only 12 pounds