WHO WE ARE

Based in California, AeroVironment is a technology solutions provider at the intersection of future-defining capabilities that include robotics, sensors, software analytics and connectivity. The company pioneered and is a leader in the markets for small Unmanned Aircraft Systems, Tactical Missile Systems, High-Altitude Pseudo-Satellites and Commercial Information Solutions. We empower troops, growers, engineers and more with the actionable intelligence they need to proceed with certainty.

AeroVironment has delivered the MAJORITY SHARE of all unmanned aircraft in the U.S. Department of Defense inventory.


45+

International customers are using AeroVironment’s UAS products and support services for defense and civil applications

WITH AN ISO-9001:2008 production and service facility. AeroVironment possesses the products, support capabilities, experience and technology roadmap to help its customers succeed in situations where reliability and effectiveness can make the difference between success and failure.

PROCEED WITH CERTAINTY
PUMA ALL ENVIRONMENT FAMILY

- All Environment capabilities
- Shared LRUs and component interoperability
- Enhanced Digital Data Link covering more frequencies and supporting AES-256 bit encryption

MANTIS™ i45 ALL ENVIRONMENT

- Dual 15 mp EO cameras
- 50x zoom
- LWIR camera and Low Light camera for night operations
- High Power Laser Illuminator

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<th>OPERATING ALTITUDE (TYP.)</th>
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<td>20 KM, 60 KM WITH LRTA</td>
<td>2.5 HOUR FLIGHT ENDURANCE WITH LE BATTERY</td>
<td>47-76 KM/H, 25-41 KNOTS</td>
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<td>20 KM, 60 KM WITH LRTA</td>
<td>5.5 HOURS WITH MANTIS i45</td>
<td>46-76 KM/H, 25-41 KNOTS</td>
<td>22.5 LB (10.2 KG)</td>
<td>300-500 FT (91-152 M) AGL</td>
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- Flyable configuration in a single case
- Increased payload capacity with optional under wing transit bay and reinforced airframe
- Common GCS with Puma™ LE, Raven®, Wasp® AE
- Upgraded GCS laptop (CF-33) with larger screen, removable keyboard and Windows 10 support
**WASP® AE RQ-12A**

**MANTIS™ i22 ALL ENVIRONMENT**
- Gimbaled payload
- EO 5 megapixel camera
- LWIR camera

**Specifications**
- **Range**: 5 KM
- **Endurance**: 50 MIN
- **Speed**: 20 Knots cruise, 45+ Knots dash
- **Weight**: 2.8 LB (1.3 KG)
- **Operating Altitude (Typ.)**: 500 FT (152 M) AGL

**Features**
- Man packable
- Hand-launched
- All Environment
- Digital Data Link
- Deep stall landing in a confined area

**RAVEN® RQ-11A/B**

**MANTIS™ i23**
- Gimbaled payload
- EO 5 megapixel camera
- LWIR camera
- Laser illuminator

**Specifications**
- **Range**: 10 KM
- **Endurance**: 60–90 MIN
- **Speed**: 32–81 KM/H, 17–44 Knots
- **Weight**: 4.2 LB (1.9 KG)
- **Operating Altitude (Typ.)**: 100–500 FT (30–152 M) AGL

**Features**
- Small size, lightweight
- Hand-launched
- Autonomous navigation & autoland
- Rugged for extended, reliable use in harsh environments
- Increases combat effectiveness and force protection
**SWITCHBLADE®**

**RANGE**  10 KM

**ENDURANCE**  15 MIN

**SPEED**  63 MPH CRUISE, 100 MPH DASH

**WEIGHT**  APPROX. 5.5 LB (2.5 KG), FITS INSIDE RUCKSACK, (INCLUDES PAYLOAD, LAUNCHER, TRANSPORT BAG)

**OPERATING ALTITUDE (TYP.)**  BELOW 500 FT AGL (CEILING >15,000 FT MSL)

- Standard tube launch or Multipack Launcher configuration
- Operator selectable low collateral effects
- Engage targets with precision strike capability
- Rapidly deployable in < 2 min
- Automated waypoint navigation
- Effective against stationary and moving targets
- Wave-off/recommit capability
- Secure digital C2
- Back-packable, one-man operation

**MULTIPACK LAUNCHER**

- **CONFIGURATION:** 6 pack Standard (Alternates for 2-20 Switchblade AURs)
- **SIZE:** 28” wide, 34” deep by 28” tall
- **WEIGHT:** ~130 lbs empty, ~160 lbs loaded
- **MOUNTING:** Hold downs for vehicle or ship board use
- **POWER:** Solar panel and internal battery, Shore/TacVeh power augments to maintain internal operating temps
- **CONTROL:** 100’ remote operation control cable (FOB/COP Ops Cell bunker/buildings, Tactical Vehicles, Ship CIC)

**BLACKWING™**

- **LAUNCH METHOD:** Underwater, ground, ship surface, air
- **PAYLOAD:** Electro-optical & optional additional sensors
- **DATALINK:** Secure, digital with built-in relay capability
- **INTEROPERABILITY:** Standardized, open interface datalink
- **MISSIONS:** Rapid-response ISR, communications relay
**VAPOR® 55**

- **PAYLOAD FLEXIBILITY** — Choose from available integrated sensors or custom-configure with third party payloads

- **ED/GP Sensor**
- **Lidar**
- **Hyperspectral**
- **PPK Mapping**
- **Drop Mechanism**
- **Multi-Payload**

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**RANGE**
- **35 MILES (56 KM)**

**MAX ENDURANCE**
- **CRUISE: 60 MIN, HOVER: 45 MIN**

**GROUND SPEED LIMIT**
- **33 MPH (15 M/S)**

**MAX WIND PEAK**
- **20 KTS (23 MPH), GUSTS 40 KTS (45 MPH)**

**GROSS WEIGHT**
- **55 LB (24.9 KG)**

**USEABLE PAYLOAD**
- **10 LB (4.5 KG)**

**OPERATING ALTITUDE (TYP.)**
- **0-12,000 FT MSL**

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**VAPOR® 35**

- **PAYLOAD FLEXIBILITY** — Choose from available integrated sensors or custom-configure with third party payloads

- **ED/GP Sensor**
- **Lidar**
- **Hyperspectral**
- **PPK Mapping**

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**RANGE**
- **35 MILES (56 KM)**

**MAX ENDURANCE**
- **CRUISE: 60 MIN, HOVER: 45 MIN**

**GROUND SPEED LIMIT**
- **33 MPH (15 M/S)**

**MAX WIND PEAK**
- **20 KTS (23 MPH), GUSTS 40 KTS (45 MPH)**

**GROSS WEIGHT**
- **32 LB (14.5 KG)**

**USEABLE PAYLOAD**
- **5 LB (2.27 KG)**

**OPERATING ALTITUDE (TYP.)**
- **0-12,000 MSL**

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» Dimensions: Aircraft: 8.4 ft (2,569 mm) x 2.2 ft (672 mm) x 1.9 ft (583 mm) Rotor Diameter: 7.5 ft (2,291 mm)
» Data Links: 900 MHz, 2.4 GHz, 5.8 GHz, Satellite
» Precision Flight Control Performance
» Automated Mission Execution — Enables operators to plan, simulate and execute missions automatically

» Dimensions: Aircraft: 6.4 ft (1,941 mm) x 2.1 ft (625 mm) x 1.8 ft (493 mm) Rotor Diameter: 5.6 ft (1,704 mm)
» Data Links: 900 MHz, 2.4 GHz, 5.8 GHz, Satellite
» Precision Flight Control Performance
» Automated Mission Execution — Enables operators to plan, simulate and execute missions automatically
From the moment we developed our breakthrough unmanned aircraft systems, we understood their primary benefit—giving people the ability to see the situation ahead. With AeroVironment’s sophisticated eyes in the sky, we could provide life-saving intelligence, reconnaissance and surveillance for our troops on the battlefield. Today, AeroVironment has become the acknowledged expert and largest supplier of small, unmanned aircraft systems (UAS) to the Pentagon and to dozens of allied nations.

QUANTIX™ RECON

- **Range (Out and Back)**: 20 KM, 2 KM Radio Limit
- **Max Flight Time**: 45 Minutes
- **Wind Conditions**: 20 MPH (9 M/S)
- **Weight**: 5 LB (2.3 KG)
- **Max Altitude**: 7,500 FT MSL (Typ. Imaging 150-800 FT)
- **Communications**: 900 MHz Encrypted & WiFi

» Fully automatic - Hands free data collection
» View High Resolution Images instantly on the operating tablet upon landing
» No other devices, internet or software required
» RF Silent mode
» Delivers GeoTIFF compatible with Google Earth, FalconView, ESRI products
DIGITAL DATA LINK™ (DDL™) NETWORK

**pRVT™ POCKET REMOTE VIDEO TERMINAL**
- Provides operators direct access to real-time video downlink and geodata from any DDL equipped platform
- Easy integration into any Tactical Vest/Utility Belt (Molle Compatible)
- Includes pDDL transceiver and 2.5 hr battery
- USB digital interface, Nett Warrior compatible
- Android OS

**STANDARD GROUND CONTROL SYSTEM**
- Compact, ruggedized, dustproof & waterproof
- Bands: M1/2/5 or M3/4/6
- Interfaces: Ethernet/RS-232/RS 485
- Transceiver Size: 2" x 5" x 0.3"
- Transceiver Weight: 7.7 oz (220 g)

**pDDL TRANSCIEVER**
- Ultra compact, lightweight transceiver
- Bands: M1/2/5 or M3/4/6
- 3 km Line-of-Sight
- Interfaces: USB/RS
- Size: 4" x 2.25" x 0.75"
- Weight: 7.1 oz (200 g)

**LRTA LONG RANGE TRACKING ANTENNA**
- Enables direct Line-of-Sight command & control
- Bands: M1/2/5 or M3/4/6
- Fiber optic link up to 2,000 m
- Interfaces: SDI/ASI/Ethernet
- Antenna Height: approx. 63" – 113"
- System Weight: approx. 300 lb

SUPPORT SERVICES

**FLIGHT OPERATION SERVICES**
- Fully equipped and staffed turn-key solutions
- OEM certified operators, instructors and maintainers
- Design and develop mission tailored TTPs and SOPs

**FIELD SERVICE REPRESENTATIVES**
- Provide on-site Field Service Support
- Liaison between customers and AeroVironment Engineering

**CREW TRAINING**
- U.S. and internationally recognized training program
- Operator training from basic to advanced classes
- On-site flight standardization program development
- On-site training support package development
- Logistical planning, coordination and monitoring

**PROGRAM MANAGEMENT & SME SUPPORT**
- Mission planning and operational support
- Engineering support from the original equipment manufacturer
- On-site sustainment operations development and delivery

**SUSTAINMENT OPERATION**
- Logistical support
- Inventory control

**AIRWORTHINESS**
AeroVironment’s airworthiness organization keeps current with global Airworthiness Regulatory initiatives (e.g., STANAG 4703, ASTM, SORA, Canada RPAS Flight Authorization, FAA Part 107 (and Waivers)) thus ensuring our products meet our customers’ Airworthiness Certification needs.