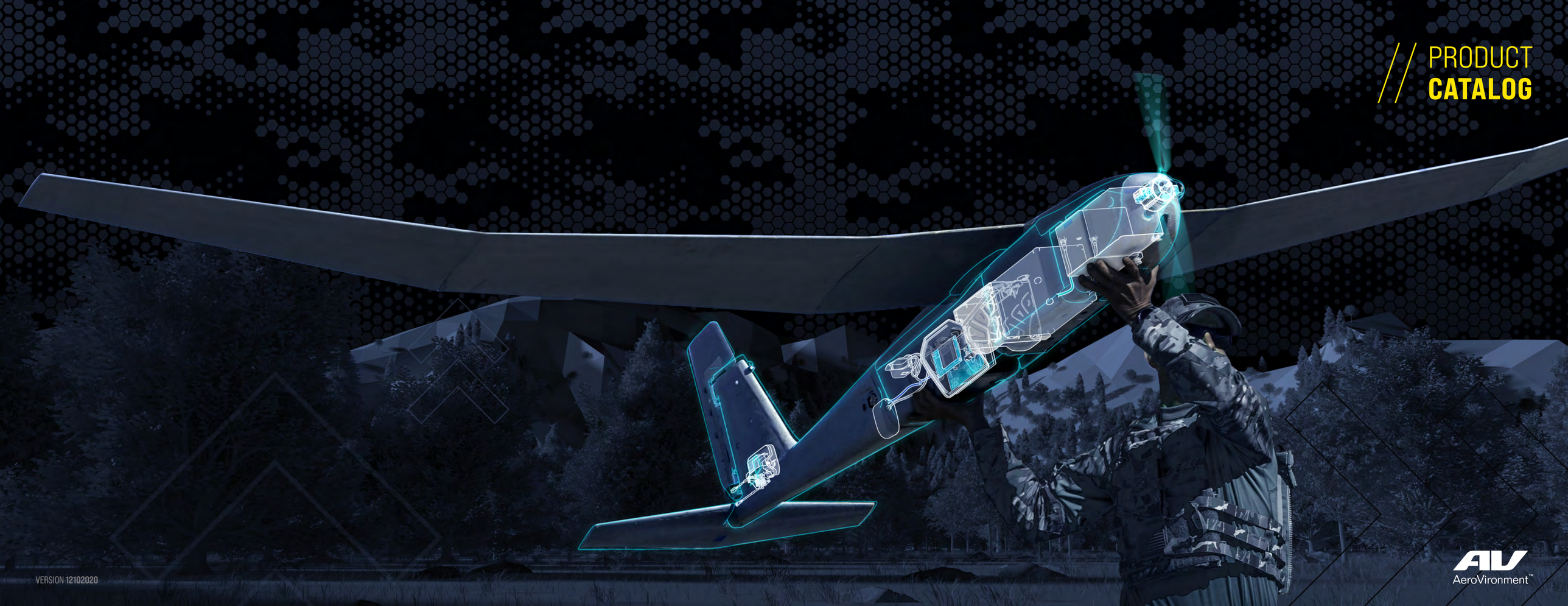
// PRODUCT CATALOG



VERSION 12102020

AeroVironment™

CONTENTS

AeroVironment™

AEROVIRONMENT HAS DELIVERED THE
VAST MAJORITY OF ALL UNMANNED AIRCRAFT
IN THE U.S. DEPARTMENT OF DEFENSE INVENTORY*

35,000
MORE THAN 35,000 UNITS DELIVERED

4 MILLION+
ACCUMULATED UAS FLIGHT HOURS (EST)

50
ALLIED NATIONS USING OUR TACTICAL UAS

WHO WE ARE

At AeroVironment, our purpose is to secure lives and advance sustainability through transformative innovation. Our solutions give our customers a fresh vantage point, positioning them to see the world with new eyes and extending their reach beyond the line of sight. That is the power of our breakthrough unmanned aircraft systems, perfected and refined over a half century.

As the pioneer and leader in Tactical Unmanned Aircraft Systems and Tactical Missile Systems, our product roadmap extends well into the future, ensuring that our customers will continue to enjoy a tactical advantage on the battlefield through new products, new capabilities and advanced technologies that will help them proceed with certainty long into the future.

* *Source: United States Department of Defense Unmanned Systems Roadmap 2013-2038, page 5*

PUMA™ LE

The All Environment Puma LE delivers Group 2 capabilities in a Group 1 optimized, two-case mission packout. This ultra-lightweight Group 2 aircraft more than doubles the time on station of Puma 3 AE, featuring 6.5 hours of flight endurance and a 60 km range when used with the optional Long Range Tracking Antenna (LRTA) and Puma Smart 2500 Battery. Puma LE comes equipped with AeroVironment's Mantis™ i45 gimbaled sensor suite featuring dual Electro-Optical (EO) cameras, an Infrared (IR) camera, a low-light camera, and an NVG-visible laser illuminator. The aircraft is multi-mission capable, with a total payload capacity of 5.5 lb and a secondary payload bay with dedicated power supply and Ethernet connectivity. The Puma LE's secondary payload bay is designed for the integration of multi-mission payloads such as Electronic Warfare, RF Geolocation or Communications Relay. Puma LE is hand or bungee launchable, employing a precise, waypoint-controlled skid landing and does not require additional equipment for recovery.

AeroVironment™

SWITCHBLADE® 600

Switchblade 600 represents the next generation of extended-range loitering missiles. Featuring high precision optics and more than 40 minutes of endurance, Switchblade 600 provides unprecedented RSTA and precision strike capabilities against larger, hardened targets via an anti-armor warhead. This provides the ability to prosecute non-line-of-sight targets with precision lethal effects at a greater stand-off distance, without the need for external ISR or fires assets.

This all-in-one, man-portable solution includes everything required to successfully execute missions across ground, maritime, and air domains. Easily train, plan missions and execute flight operations through an intuitive, touchscreen tablet Fire Control System (FCS).

AeroVironment™

VAPOR® 55

The all-electric VAPOR 55 Helicopter UAS delivers precision flight control performance, endurance, and payload flexibility. Featuring military-grade components, intelligent HW/SW system design, and a high-energy density, lithium-polymer battery, VAPOR 55 provides enhanced flight stability and up to one hour of flight time on a single battery charge.

With an expansive modular payload bay and up to 10 lb useable payload capacity, VAPOR 55 is multi-mission capable with access to a variety of available integrated sensors and third-party payloads including EO/IR, survey grade PPK mapping, LiDAR and hyperspectral sensors, and Drop/Delivery Mechanism. Every VAPOR Helicopter UAS incorporates proprietary HeliSynth™ technology for system level optimization including advanced autopilot, payload control & operation, and mission performance efficiency.

AeroVironment™

QUANTIX™ RECON

Quantix™ Recon is a powerful, simple-to-use UAS that delivers rapid, automated reconnaissance and hands-free data collection. Mapping and scouting tasks are effortless with its fully-automated takeoff, flight and landing functions—even first-time users can successfully operate it. With its Radio Frequency (RF) Silent Mode, Quantix Recon flies undetected and undeterred by jammers to deliver accurate, up-to-date maps within minutes for quick mission planning and verification. On-board processing provides georeferenced, high-resolution imagery on the user's tablet as soon as Quantix Recon lands—no other devices, internet or software required. Due to its innovative hybrid design, Quantix Recon outperforms traditional quadcopters in range and efficiency. That means you can cover more ground faster and obtain aerial maps of remote, inaccessible areas and rapidly changing environments to ensure the safety of ground forces.

AeroVironment

CRYSALIS™ RVT

Crysalis Remote Video Terminal (RVT) provides the user with receive-only access to actionable intelligence from AeroVironment's family of unmanned aircraft systems (UAS). Its intuitive touch screen interface allows users to easily obtain vital battlefield information through real-time EO/IR video downlink, geolocation data, and the ability to record video and capture high-resolution imagery. These advanced capabilities give the user a distinct advantage in making informed, mission-critical decisions.

Compatible with Nett Warrior and AeroVironment's pocket DDL (pDDL) transceiver, the Crysalis RVT System seamlessly connects to the robust & secure DDL network while easily integrating into tactical vest/utility belt configurations.

AeroVironment™

TRAINING AND SUPPORT SERVICES

SUPPORT SERVICES

FLIGHT OPERATION SERVICES

» AeroVironment provides world-class flight operation services on a global scale. Our flight operation services include fully-equipped and staffed turnkey solutions and outstanding OEM-certified operators, instructors and maintainers.

FIELD SERVICE REPRESENTATIVES

» Our Field Service Representatives (FSRs) provide on-site field service support and act as the liaison between customers and our engineering team. The FSRs are highly qualified to provide on-site flight standardization program development and training support package development.

PROGRAM MANAGEMENT & SME SUPPORT

» We supply customer-focused program management and subject matter expert support. Our exceptionally skilled staff provides tailored mission planning and operational support, and we include engineering support from the original equipment manufacturer. We also offer on-site sustainment operations development and delivery.

SUSTAINMENT OPERATION

» We support our customers with sustainment operations, including professional inventory control and comprehensive logistical services. Our logistical support includes extensive planning, coordination and monitoring to successfully plan and maintain operations.

AIRWORTHINESS

» AeroVironment's airworthiness organization monitors and evaluates airworthiness regulation initiatives in key markets and regions across the globe to ensure our products conform to our customers' Airworthiness Certification needs.

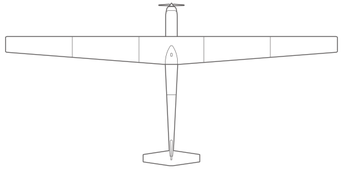
TRAINING

» We specialize in student-centered learning using state-of-the-art, interactive 3-D digital training media that aids in the retention of information and promotes student participation. Courses include simulator-focused mission scenarios providing a real world digital experience, hands-on practical exercises, mission planning and live flight field operations. We offer all levels of operator training from basic to advanced courses in a safe and controlled environment. Our distinctive training program is recognized both domestically and internationally.

QUALITY

» AeroVironment's ISO-9001:2008 production and service facility ensures the highest level product and support quality. The company's unmatched experience and technology roadmap combine to deliver an outstanding customer experience in situations where reliability and effectiveness can make the difference between success and failure.

PUMA™ LE LONG ENDURANCE



DIMENSIONS
Wingspan: 15 ft (4.6 m)
Length: 7.3 ft (2.2 m)

WEIGHT
23.5 lb with Mantis i45 (10.7 kg)
27 lb MGTOW* (12.2 kg)
* MGTOW - Maximum Gross Takeoff Weight

LINK RANGE
20 km, 60 km with LRTA

ENDURANCE
6.5 hr with Puma Smart 2500 Battery**

TOTAL PAYLOAD CAPACITY
5.5 lb (2.5 kg)

** Payload capacity is reduced by 0.3 lb (140 g) with Puma Smart 2500 Battery; not compatible with other Puma AE aircraft

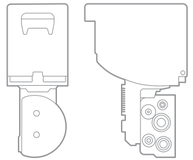
SPEED	Cruise: 47 km/h (25 kts), Dash: 76 km/h (41 kts)
OPERATING ALTITUDE	300–500 ft (91–152 m) AGL, typical Max. launch 10K ft (3,048 m) MSL
GCS	Common GCS with Raven®, Puma™ AE, and Wasp AE
LAUNCH METHOD	Hand-launched, bungee or vehicle launch
RECOVERY METHOD	Autonomous or manual skid landing

KEY FEATURES

- *6.5 hours of ISR capability in all environments*
- *Support 2 flights with 2-case packout*
- *Dedicated secondary payload bay with power supply and Ethernet*

MANTIS™ i45 ALL ENVIRONMENT SENSOR SUITE

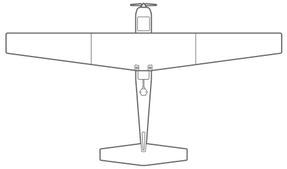
- Dual 15mp EO cameras
- 50x zoom
- LWIR camera and Low Light camera for night operations
- High Power Laser Illuminator
- Compatible with Puma 2 AE, Puma 3 AE, and Puma LE



PUMA LE USES PLUG AND PLAY INTEROPERABLE COMPONENTS

By leveraging the existing Puma RQ-20B and Puma 3 AE Line Replaceable Units (LRUs), Puma LE allows any current Puma AE user to easily upgrade fielded systems. This interoperability builds on a legacy of Puma baselines with hundreds of thousands of operational flight hours. The Puma AE product line provides the warfighter with Intelligence, Surveillance and Reconnaissance (ISR) during day and night operations in All Environment (AE) conditions.

PUMA™ 3 AE ALL ENVIRONMENT // RQ-20C



DIMENSIONS
Wingspan: 9.2 ft (2.8 m)
Length: 4.6 ft (1.4 m)

WEIGHT
15.4 lb (7 kg)

LINK RANGE
20 km, 60 km with LRTA

ENDURANCE
2.5 hr with Mantis i45

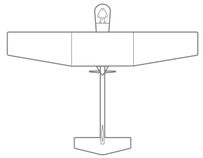
TOTAL PAYLOAD CAPACITY
4 lb (1.8 kg)

SPEED	Cruise: 49 km/hr (26 kts), Dash: 76 km/h (41 kts)
OPERATING ALTITUDE	300–500 ft (91–152 m) AGL, typical Max. launch 10K ft (3,048 m) MSL
GCS	Common GCS with Raven®, Puma™ AE, and Wasp AE
LAUNCH METHOD	Hand-launched, optional rail or bungee launch
RECOVERY METHOD	Autonomous or manual precision deep-stall landing

KEY FEATURES

- *Increased payload capacity with optional underwing transit bay and reinforced airframe*
- *Shares Mantis™ i45 gimbal payload and common LRUs with Puma LE*
- *Single case mission packout for two full flights with a single aircraft*

RAVEN® RQ-11B



DIMENSIONS
Wingspan: 4.5 ft (1.4 m)
Length: 3 ft (0.9 m)

WEIGHT
4.2 lb (1.9 kg)

LINK RANGE
10 km

ENDURANCE
1-1.5 hr

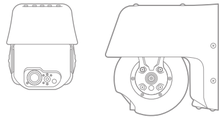
SPEED	Cruise: 32 km/h (17 kts), Dash: 81 km/h (44 kts)
OPERATING ALTITUDE	100–500 ft (30–152 m) AGL, typical Max. launch 14K ft (4,267 m) MSL
GCS	Common GCS with Raven®, Puma™ AE, and Wasp AE
LAUNCH METHOD	Hand-launched
RECOVERY METHOD	Deep-stall landing

KEY FEATURES

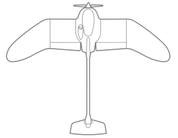
- *Backpackable lightweight & hand-launched*
- *Autonomous navigation and autoland*
- *Rugged for extended, reliable use in harsh environments*

MANTIS™ i23 SENSOR SUITE

- Advanced Gimbaled EO/IR Sensor
- 5 MP EO camera
- LWIR camera and Low Light camera for night operations
- Laser Illuminator



WASP® AE ALL ENVIRONMENT // RQ-12A



DIMENSIONS
Wingspan: 3.3 ft (1 m)
Length: 2.5 ft (0.8 m)

WEIGHT
2.9 lb (1.3 kg)

LINK RANGE
5 km

ENDURANCE
50 minutes

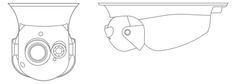
SPEED	Cruise: 43 km/h (23 kts), Dash: 83 km/h (45 kts)
OPERATING ALTITUDE	300 ft (91 m) AGL, typical Max. launch 10K ft (3,048 m) MSL
GCS	Common GCS with Raven®, Puma™ AE, and Wasp AE
LAUNCH METHOD	Hand-launched
RECOVERY METHOD	Deep-stall landing in a confined area

KEY FEATURES

- *Backpackable lightweight & hand-launched*
- *All environment recovery with deep-stall landing in confined areas*
- *Quiet operation to avoid detection*

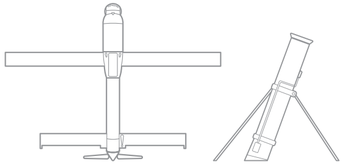
MANTIS™ i22 ALL ENVIRONMENT SENSOR SUITE

- Advanced Gimbaled EO/IR Sensor
- 5 MP EO camera
- LWIR camera and Low Light camera for night operations



AeroVironment™

SWITCHBLADE® 600 LOITERING MISSILE SYSTEM



DIMENSIONS
Length: 50 in (1.3 m)

WEIGHT
AUR: 50 lb (22.7 kg)
System [1 AUR and FCS]: 120 lb (54.4 kg)

RANGE
40+ km

ENDURANCE
40+ minutes

SPEED
Cruise: 70 mph, Dash: 115 mph

EFFECTS ON TARGET
Light armor and anti-personnel effects

FIRE CONTROL SYSTEM	Tablet-based FCU with Tap-to-Target guidance and built-in mission planner and trainer
TARGETING OPTICS	2-axis, 4-sensor gimbal (Dual EO and IR) integrated sensor suite
OPERATING ALTITUDE	Below 650 ft AGL (ceiling >15,000 ft MSL)
LAUNCH METHOD	Self-contained launcher for ground, air, and maritime
LETHALITY	Precision strike with anti-armor warhead

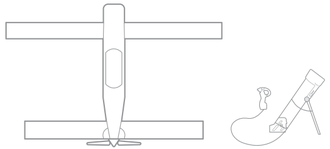
KEY FEATURES

- *Patented wave-off/recommit capability*
- *Intuitive touch tablet controller*
- *< 10 minute system setup and launch*

ALL-IN-ONE, MAN-PORTABLE, ANTI-ARMOR, SMART MISSILE SYSTEM

Best-in-Class Target Acquisition Sensor Suite · *Anti-Armor Warhead* · *Self-Contained Tube-Launcher* · *Mission Planning on Tablet Controller* · *Integrated Training Simulator (T-sim)* · *Antenna and GCS*

SWITCHBLADE® 300 LOITERING MISSILE SYSTEM



DIMENSIONS
Wingspan : 27 in (68.6 cm)
Length: 19.5 in (49.5 cm)

WEIGHT
AUR: 5.5 lb (2.5 kg)

RANGE
10 km

ENDURANCE
15 minutes

SPEED
Cruise: 63 mph, Dash: 100 mph

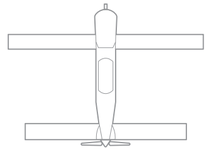
EFFECTS ON TARGET
Anti-personnel effects

GROUND CONTROL SYSTEM	Interoperable with Common Ground Control Station for Puma™ AE, Raven®, and Wasp® AE
TARGETING OPTICS	Dual front and side look EO cameras and IR nose camera, Stabilized electronic pan-tilt-zoom
OPERATING ALTITUDE	Below 500 ft AGL (ceiling >15,000 ft MSL)
LAUNCH METHOD	Self-contained launcher for ground, air and maritime. Optional Multipack Launcher
LETHALITY	Precision strike with Northrup Grumman advanced munition

KEY FEATURES

- *Patented wave-off/recommit capability*
- *Automated waypoint navigation*
- *Backpackable*
- *< 2 minute setup and launch*

BLACKWING™ LOITERING RECONNAISSANCE SYSTEM



DIMENSIONS
Wingspan: 27 in (68.6 cm)
Length: 19.5 in (49.5 cm)
Diameter: 3 in (7.6 cm)

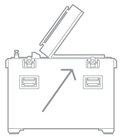
WEIGHT
4 lb (1.8 kg)

KEY FEATURES

- *Rapid launch—rapid response ISR*
- *C3 Tactical data relay—manned and unmanned vehicles*
- *Modular payload*

SENSORS	Integrated EO/IR sensors—day/night operations
LAUNCH METHOD	Underwater-to-air delivery canister, tube, MPL

MPL MULTIPACK LAUNCHER



DIMENSIONS
36 in D x 30 in W x 36 in H

WEIGHT
~130 lb empty, ~160 lb loaded

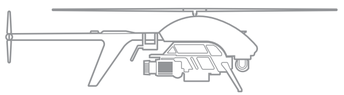
KEY FEATURES

- *Compatible platforms—Switchblade® 300, Blackwing™*
- *Rapid Reload —< 30 seconds per round*
- *Low observable remote ops*
- *Tactical Vehicle/Shipboard Integration*

CONFIG-URATIONS	6-pack Standard (Alternates for 2-20 AURs possible)
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)

ROTARY UAS

VAPOR® 55 ALL-ELECTRIC HELICOPTER UAS



DIMENSIONS
Aircraft: 8.4 ft x 2.2 ft x 1.9 ft
(2.56 m x 0.67 m x 0.58 m)
Rotor Diameter: 7.5 ft (2.29 m)

WEIGHT
55 lb (24.9 kg)

RANGE
8 km standard GCS

ENDURANCE
Cruise: 60 minutes, Hover: 45 minutes

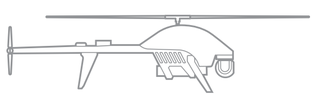
USEABLE PAYLOAD
10 lb (4.5 kg)

GROUND SPEED LIMIT	22 mph (10 m/s)
OPERATING ALTITUDE	0-12,000 ft (3,657 m) MSL (density)
MAX WIND PEAK	Sustained: 27 km/h (15 kts), Gust: 37 km/h (20 kts)
DATA LINKS	900 MHz, 2.4 GHz, 5.8 GHz, Satellite
PAYLOAD OPTIONS*	*EO/IR Sensor*, *Lidar*, *PPK Mapping*, *Drop Mechanism*, *Hyperspectral*, *Multi-Payload*

KEY FEATURES

- *Purpose-built for multi-mission operations*
- *VTOL Automated mission execution—plan, simulate & execute*
- *Versatile payload bay for integration of sensors and third party payloads*
- *Configurable to perform single and/or multiple payload missions*

VAPOR® 35 ALL-ELECTRIC HELICOPTER UAS



DIMENSIONS
Aircraft: 6.4 ft x 2.1 ft x 1.6 ft
(1.95 m x 0.64 m x 0.49 m)
Rotor Diameter: 5.6 ft (1.71 m)

WEIGHT
32 lb (14.5 kg)

LINK RANGE
8 km standard GCS

ENDURANCE
Cruise: 60 minutes, Hover: 45 minutes

USEABLE PAYLOAD
5 lb (2.3 kg)

GROUND SPEED LIMIT	31 mph (14 m/s)
OPERATING ALTITUDE	0-12,000 ft (3,657 m) MSL (density)
MAX WIND PEAK	Sustained: 27 km/h (15 kts), Gust: 37 km/h (20 kts)
DATA LINKS	900 MHz, 2.4 GHz, 5.8 GHz, Satellite
PAYLOAD OPTIONS*	*EO/IR Sensor*, *Lidar*, *Hyperspectral*, *PPK Mapping*

KEY FEATURES

- *VTOL with advanced autopilot for precision flight control performance*
- *Plan, simulate and execute automated missions*
- *Versatile payload bay for integration of sensors and third party payloads*
- *Economical one-man lift packout*

*Contact your AV Representative to discuss Payload Integration and Custom Configuration options.

HYBRID VTOL UAS

QUANTIX™ RECON

DIMENSIONS
Wingspan: 3.2 ft (97.5 cm)

WEIGHT
5 lb (2.3 kg)

RANGE
2 km radio limit (up to 40 km without radio link)

MISSION COVERAGE
Area: 3.24 km² max @ 800 ft
Linear: 20 km roundtrip (out & back); 40 km one way max

INTEGRATED SENSORS
GSD @ 150 ft (45.7 m)
RGB: 0.4 in (1 cm)
Multispectral: 0.8 in (2 cm)

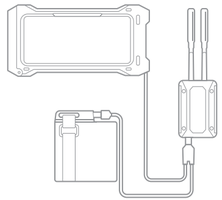
MAX FLIGHT TIME	45 min
PROPULSION	4 direct electric drive motors
MAX ALTITUDE	7,500 ft (2,286 m) MSL (Density Altitude)
WIND LIMIT	20 mph (9 m/s)
DATA STORAGE	On-board SD card
COMMUNICATIONS	900 MHz Encrypted & wifi
NAVIGATION	Automatic navigation—Area, Waypoint, Linear
TEMPERATURE	0–120 °F (-17–49 °C)
LAUNCH AND RECOVERY	Vertical takeoff and landing

KEY FEATURES

- *RF Silent Mode prevents detection*
- *Dual 18 MP cameras for complete hands-free data collection*
- *Ready to fly in ~5 minutes, accurate up-to-date maps within minutes of landing*
- *Quick and easy mission planning and verification, no connectivity required*

AV AeroVironment™

CRYSALIS™ REMOTE VIDEO TERMINAL



SYSTEM COMPONENTS
pDDL Transceiver
Samsung S20 in Juggernaut case
Bren-tronics BB2257 Battery

WEIGHT
System: 3.3 lb (1.5 kg)

LINK RANGE
Up to 5 km

OPERATING BANDS
M1/2/5 or M3/4/6

COMPATIBLE OS
Android® 5.0+

INTERFACE	USB Digital Interface Nett Warrior compatible SMA RF Connectors
POWER REQUIREMENTS	Input Voltage: 5 to 30 V DC (USB Compatible) Current Draw: 0.7 A / 5.0 V Battery Life: Varies; up to 2.5 hr (2,000 mAh USB battery)
OPERATING TEMPERATURE	0–43 °C (end user device)
ENVIRONMENTAL RATING	pDDL: All Environment Juggernaut case: IP67, Mil 810G

KEY FEATURES

- *Intuitive touchscreen user interface with multiple view modes*
- *Real-time, mission critical intel with EO/IR video downlink, geodata, high-res imagery*
- *Lightweight & portable with complete system weighing less than 3.3 lb*
- *3 km digital broadband data connection radius, with AES-256 data encryption*

pDDL ANTENNA

DIMENSIONS
4 in x 2.25 in x 0.75 in
(10.2 cm x 5.71 cm x 1.9 cm)

WEIGHT
7.1 oz (200 g)

LINK RANGE
Up to 5 km

OPERATING BANDS
M1/2/5 or M3/4/6

STANDARD ANTENNA

(OMNIDIRECTIONAL & PATCH CONFIGURATIONS)

DIMENSIONS
Height: 6.5 ft (2 m)
Base Diameter: 3 ft (0.9 m)

WEIGHT
M1/2/5: 8.6 lb (3.9 kg)
M3/4/6: 8.5 lb (3.9 kg)

LINK RANGE
Up to 20 km

OPERATING BANDS
M1/2/5 or M3/4/6

ERA

EXTENDED RANGE ANTENNA

DIMENSIONS
Height: 4.25–7 ft (1.3–2.2 m)
Base Diameter: 3.75–8.2 ft (1.1–2.5 m)

WEIGHT
10.8 lb (4.9 kg)
Note: excludes the GCS RF Head, hub and system battery

LINK RANGE
Up to 40 km

OPERATING BANDS
M1/2/5 or M3/4/6

LRTA

LONG RANGE TRACKING ANTENNA SYSTEM

DIMENSIONS
Height: M1/2/5: 5.8–9.4 ft (1.8–2.9 m)
M3/4/6: 5.25–8.8 ft (1.6–2.7 m)
Base Diameter: 5.3 ft (1.6 m), legs not extended

WEIGHT
M1/2/5: 304 lb (138 kg)
M3/4/6: 300 lb (136 kg)

LINK RANGE
Up to 60 km

OPERATING BANDS
M1/2/5 or M3/4/6

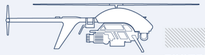
TX POWER	1.5 W	1.5 W	1.5 W	1.5 W
RX SENSITIVITY	-98 dBm @ 2 Mbps -93 dBm @ 6 Mbps	-98 dBm @ 2 Mbps -93 dBm @ 6 Mbps	-98 dBm @ 2 Mbps -93 dBm @ 6 Mbps	-98 dBm @ 2 Mbps -93 dBm @ 6 Mbps
POWER CONSUMPTION	9 W	20 W	20 W (pass through, not additional)	275 W (nom., heater off) 460 W (max., heater on)
OPERATING VOLTAGE	5.5–16 V	5.5–16 V	5.5–16 V	90–250 V ac, 47–65 Hz
DATA RATE	4.5 Mbps	4.5 Mbps	4.5 Mbps	4.5 Mbps
SUPPORTED COMPRESSION	MPEG2 or H264 SD	MPEG2 or H264 SD	MPEG2 or H264 SD	MPEG2 or H264 SD
INTERFACES	USB	Ethernet/RS-232/RS-485	Ethernet/RS-232/RS-485	Ethernet/RS-232/RS-485
ENCRYPTION	AES-128/AES-256	AES-128/AES-256	AES-128/AES-256	AES-128/AES-256

AeroVironment™

AEROVIRONMENT'S FAMILY OF TACTICAL UNMANNED AIRCRAFT SYSTEMS

Warfighters on the ground need to make mission-critical decisions in seconds. In order to do this, they need superior tactical intelligence, surveillance and reconnaissance on demand. AeroVironment's rugged, small, unmanned aircraft systems combine powerful sensors, secure communications, superior aerodynamics, manual or autonomous navigation, and intuitive ground control systems that the warfighter can rely on for situational awareness, life-saving information and mission success. Our technologically advanced products ensure our customers maintain a battlefield advantage.

Our VTOL systems come equipped with touchscreen tablet interfaces featuring easy-to-use flight planning and automated mission execution



VAPOR® 55
All-Electric Helicopter UAS

FOOTPRINT // MAN-PORTABLE
ENDURANCE // 1 hr
PAYLOAD CAPACITY // 10 lb

VAPOR® 35
All-Electric Helicopter UAS

FOOTPRINT // MAN-PORTABLE
ENDURANCE // 1 hr
PAYLOAD CAPACITY // 5 lb

QUANTIX™ RECON
Hybrid VTOL— Autonomously Transitions to Forward Flight

FOOTPRINT // MAN-PACKABLE
ENDURANCE // 45 min
ONBOARD PAYLOAD // 0.49 lb

PUMA™ LE
DDL Compatible

FOOTPRINT // MAN-PORTABLE
ENDURANCE // 6.5 hr
PAYLOAD CAPACITY // 5.5 lb

PUMA™ 3 AE RQ-20C
DDL Compatible

AECV SUAV

FOOTPRINT // MAN-PACKABLE
ENDURANCE // 2.5 hr
PAYLOAD CAPACITY // 4 lb

RAVEN® RQ-11B
DDL Compatible

RPUAV
SUAV

FOOTPRINT // BACKPACKABLE
ENDURANCE // 1 hr
PRIMARY PAYLOAD // 1 lb

WASP® AE RQ-12A
DDL Compatible

BATMAV

FOOTPRINT // BACKPACKABLE
ENDURANCE // 50 min
PRIMARY PAYLOAD // 0.55 lb

NETWORK CONNECTIVITY

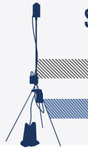
AeroVironment's Digital Data Link (DDL) is a small, lightweight, broadband digital network module enabling enhanced command and control of small UAS. DDL is IP-based, allowing maximum flexibility and interoperability between small airborne and ground systems with limited power and bandwidth to maximize the number of systems that can operate in a given area.

LONG RANGE TRACKING ANTENNA

PORTABILITY // MAN-PORTABLE
RANGE // 60 km

EXTENDED RANGE ANTENNA

PORTABILITY // MAN-PACKABLE
RANGE // 40 km

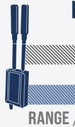


STANDARD PATCH ANTENNA

PORTABILITY // BACKPACKABLE
RANGE // 20 km

STANDARD OMNI ANTENNA

PORTABILITY // BACKPACKABLE
RANGE // 10 km



pDDL ANTENNA

PORTABILITY // POCKETABLE
RANGE // 5 km

DDL FREQUENCIES
M1/2/5 OR M3/4/6

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PROCEED
WITH
CERTAINTY

For more product information, **visit avinc.com**