

# P550™ ALL-ELECTRIC VTOL UAS

**AV**  
AeroVironment™



P550™, an autonomous all-battery Group 2 eVTOL UAS, redefines battlefield adaptability, setting a new standard for rapid deployment in any environment. Leveraging proven advanced AI and autonomy, P550 enables smarter, safer operations. P550's Modular Open Systems Approach (MOSA) enables seamless integration with third-party payloads, datalinks, control and mission software offering unmatched adaptability to evolving mission demands. With a multi-sensor payload capacity of up to 15 pounds and enhanced lethality options, P550 excels in dynamic, contested environments, providing superior situational awareness, precision targeting, and reliable force protection.



# Redefining Battlefield Adaptability

P550™

## DISTINCTIONS



»» LINK RANGE  
40 km Standard; Up to 60 km with DDL range depending on GCS Radio



»» WINGSPAN | »» LENGTH  
17 ft (5 m) | 9 ft (2.8 m)



»» WEIGHT  
Up to 55 lb (24.9 kg) MGTOW



»» ENDURANCE  
Up to 5 hr

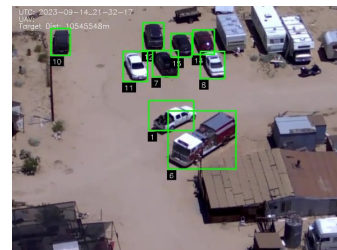
## SPECIFICATIONS

PAYLOAD CAPACITY	Up to 15 lb (6.8 kg)
SPEED	15-27 m/s (30-52 kts)
OPERATING ALTITUDE	Max. Flight DA 14K ft (4267 m) Max. Launch DA 10K ft (3000 m)
DATA LINK	Silvus; DDL
OPERATION	1-person operation
GCS	Vigilant Spirit GCS with Quattro STANAG 4586 (Baseline) & Kinesis GCS (Future)
ENVIRONMENTAL CAPABILITY	IP-54 // -4 to 122 °F (-20 to 50 °C)

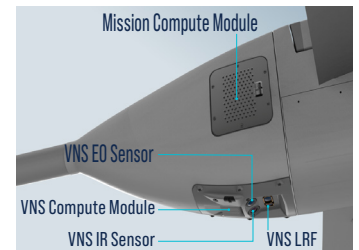
## MODULAR PAYLOAD



## ADVANCED AI & AUTONOMY



AVACORE™/SPOTR-EDGE



INTEGRATED VNS

## KEY FEATURES

- »» Rugged, reliable, portable all-weather tactical eVTOL
- »» Up to 15 pounds multiple modular mission payload capacity
- »» Low logistics footprint with up to 5 hours of all-battery endurance
- »» Advanced mission system enabling secure ATR/Autonomous missions
- »» mDDL-FH // Advanced Day-Night VIO Navigation for A2/AD Ops
- »» Modular architecture supporting 3rd party payloads, radios, and control options

## MISSION VARIANTS

### READY-TO-FLY IN <10 MIN

Tool-free Connections for Easy Assembly and Teardown

### MAN-PORTABLE // HMMWV, JLTV

Durable Vehicle/Payload/GCS Cases for Portability, Storage, and Mission Prep

### MISSION TURNAROUND <5 MIN

Hot Swappable Batteries and Modular Payloads

