

JUMP[®] 20 VTOL FIXED-WING

AV
AeroVironment™



The JUMP[®] 20 is a vertical takeoff and landing (VTOL), fixed-wing unmanned aircraft used to provide advanced multi-sensor intelligence, surveillance, and reconnaissance (ISR) services. Delivering 13+ hours of endurance and an operational range of 185 kilometers (115 miles), the JUMP 20 is ideal for multi-mission operations. Runway independent, the system can be set up and operational in less than 30 minutes without the need for launch or recovery equipment. With a usable payload capacity of up to 30 lb, the JUMP 20 offers flexible payload options utilizing industry leading imaging sensors such as HoodTech 09E0960, long-range EO/MWIR, as well as onboard tracking, stabilization and video processing. In addition to the multi-mission payload bay and superior optics, the JUMP 20 features a common autopilot and ground control system architecture providing a highly customizable, modular platform that can be custom-configured to meet operational or customer requirements.

VTOL Fixed-Wing Launch Anytime, Anywhere

JUMP® 20

DISTINCTIONS



» LINK RANGE
115 mi (185 km)



» ENDURANCE
13+ hr



» USEABLE PAYLOAD CAPACITY
Up to 30 lb (13.6 kg)



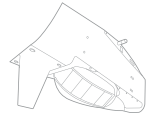
» POWER SUPPLY
MOGAS, 190 cc EFI Engine
Battery Powered VTOL Jump

SPECIFICATIONS

SPEED	58 mph (50 kts)
OPERATING ALTITUDE	17,000 ft DA
WINGSPAN	18.8 ft (5.7 m)
LENGTH	9.5 ft (2.9 m)
WEIGHT	215 lb MGTOW* Fuel & Payload (97.5 kg)
LAUNCH METHOD	No launch system or runway required Vertical takeoff & landing
RECOVERY METHOD	VTOL Landing

*MGTOW - Maximum Gross Takeoff Weight

SENSOR OPTIONS



HOODTECH
09E0960/09E0IR3



WESCAM MX-8



TRILLIUM HD80/95



HOODTECH 11E0IR5



SWAPPABLE IMAGING SYSTEMS

» Superior long-range day and night imaging systems that offer onboard tracking, MWIR, image stabilization, analog and digital output with H.264/5 compression.

DATA LINKS

» Provides ISR support, MUM-T interoperability, OSRVT downlink to ground or air forces, and the ability to communicate across multiple channels and bands.

COMMUNICATIONS RELAY

» Provides unobstructed ground-to-ground and pilot-to-ground voice/video communication in urban environments or challenging terrain.

KEY FEATURES

- » 13+ hours of endurance, up to 30 lb payload capacity
- » VTOL—versatility of rotorcraft without compromising range or endurance
- » High-performance optics—long-range EO/MWIR & onboard tracking
- » Multi-INT/Multi-domain in a single integrated aircraft
- » Beyond-line-of-site (BLOS) capable
- » Best-in-class range & endurance, delivering superior performance
- » Ultimate portability—tactical platform, mobile operations capable

