JUMP® 20 VTOL FIXED WING

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 14+ hours of endurance and an operational range of 185 km (115 mi), the JUMP 20 is ideal for multi-mission operations. Runway independent, the system can be set up and operational in less than 60 minutes without the need for launch or recovery equipment. With a useable payload capacity of up to 30 lb, the JUMP 20 offers flexible payload options utilizing industry leading imaging sensors such as ARCAM 45D, 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.

DISTINCTIONS

»» LINK RANGE
185 km (115 mi)

»» ENDURANCE
14+ hr

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

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

SPECIFICATIONS

USEABLE PAYLOAD CAPACITY	Up to 30 lb (13.6 kg)
LINK RANGE	185 km (115 mi)
ENDURANCE	14+ hr
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)
GCS	Common GCS with T-20
LAUNCH METHOD	No launch system or runway required Vertical takeoff & landing
RECOVERY METHOD	VTOL Landing
POWER SUPPLY	MOGAS, 190 cc EFI Engine; Battery Powered VTOL Jump

*MGTOW - Maximum Gross Takeoff Weight

SENSOR OPTIONS // COMPATIBLE WITH ALL JUMP 20 AND T-20 SYSTEMS
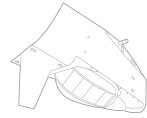
JUMP 20 ONLY
ARCAM-45D
- EO
- MWIR
- EO TELESCOPE

WESCAM MX-8
- EO/IR
- MWIR
- SPOTTER

TRILLIUM HD80
- EO/IR
- MWIR
- H.264

TASE 400 LRS
- EO
- MWIR
- SPOTTER

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

» *14+ 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 and onboard tracking*

» *Multi-INT/Multi-domain in a single integrated aircraft*

» *Best-in-class range and endurance, delivering superior performance*

» *Ultimate portability—tactical platform, mobile operations capable*

AeroVironment™

PROCEED WITH CERTAINTY