



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 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.

Kizilirmak Mah. 1446. Cad. No: 12/18
Cukurambar 06530 Cankaya, Ankara / TURKEY
Tel : +90 (312) 284 30 12 (PBX)
Fax : +90 (312) 284 30 14
altoy@altoy.com.tr www.altoy.com.tr



VTOL Fixed-Wing Launch Anytime, Anywhere

JUMP® 20

DISTINCTIONS



» LINK RANGE
185 km (115 mi)



» ENDURANCE
14+ hr



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



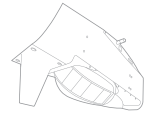
» POWER SUPPLY
MOGAS, 190 cc EFI Engine
Battery Powered VTOL Jump

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)
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



HOODTECH
09E0960/09E0IR3



TRILLIUM HD80/95



WESCAM MX-8



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

- » 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 & 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



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