

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 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 09EO960, 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.

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
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_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 ¹ Fuel & Payload (97.5 kg)
LAUNCH METHOD	No launch system or runway required Vertical takeoff & landing
RECOVERY METHOD	VTOL Landing

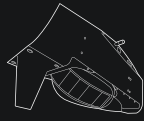






1. MGTOW - Maximum Gross Takeoff Weight

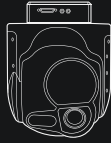







_Key Features

- › 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



[SENSOR OPTIONS]

 HOODTECH 09E0960/09E0IR3	 EO	 WESCAM MX-8	 EO
	 MWIR		 MWIR
	 SPOTTER		

 TRILLIUM HD80/95	 EO	 HOODTECH 11E0IR5	 EO
	 MWIR/ SWIR		 MWIR
	 SPOTTER		 LD

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.

