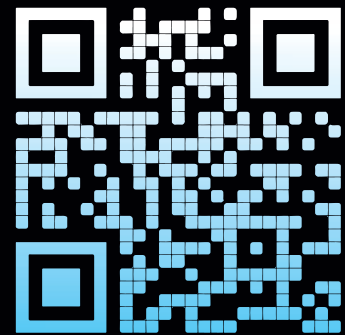


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SPEC
COMPARISON

	LEMUR S BRINC	Mavic 2 Enterprise Da-Jiang Innovations	Loki Mk2 Sky-Hero
Flight time	31 minutes	19 minutes <small>(speakers + prop guards attached to drone)</small>	16 minutes
Standby/Perch time	10 hours	3.5 hours	6 hours
Accessory mount	✓	✓	✓
Speaker	✓	✓	
Light attachment	✓	✓	
HD video storage	✓	✓	
Operates in extreme tight/confined spaces	✓		✓
Microphone	✓		✓
No phone app required	✓		✓
No forced firmware	✓		✓
Designed to operate in GPS denied environments	✓		✓
Robust ducted airframe allowing the drone to bounce offwalls instead of crashing and open doors	✓		✓
Night vision	✓		✓
Designed to operate in zero lighting environments	✓		✓
Ability to flip itself over after crashes	✓		✓
No automatic data uploading	✓		✓
Interchangeable camera payloads	✓		
Ability to push open interior doors	✓		
Water-resistant	✓		
Live cellular audio	✓		
Glass breaker attachment	✓		

SPEC
COMPARISON

	LEMUR S BRINC	Mavic 2 Enterprise Da-Jiang Innovations	Loki Mk2 Sky-Hero
US-based repair and maintenance facilities	✓		
Encrypted, near-zero latency, high-material penetration transceiver system	✓		
CNC machined carbon fiber frame	✓		
4G LTE receiver for making live video accessible anywhere in the world over an internet browser	✓		
Ability to carry multiple payloads	✓		
External video receiver for getting high-quality streams to tactical commanders	✓		
High signal penetration communications	✓		
Multi-receiver capability for sending video streams to multiple screens from the drone	✓		
General-purpose dropper attachment	✓		
Two-way communication system can patch multiple people into audio communications between first responders and people who need help	✓		
American made and designed hardware and software	✓		
Highly modular	✓		
Controller for LCD screen	7" display	5.5" display	5" display
Operating temperature	-20°F to 120°F	14°F to 104°F	14°F to +104°F
Battery charge time (90%)	45 minutes	1.5 hours	
Max battery charge cycles	500	200	
Max speed	50 mph	35 mph <small>(when prop guards and installed)</small>	
Max signal range	8 miles	5 miles	
Time required to get drone airborne	45 seconds	2-3 minutes	1 minute

lemur S



MADE IN THE
USA

brinc

lemur S

SPECIFICATIONS

Dimension (LxWxH): 12.7 x 15.2 x 3.7in (32.4 x 38.6 x 9.6cm)

Weight: 2.4 (1.1kg) **Max Speed:** 50mph (80.5km/h)

Operating Temperature: -20°F to 120°F (-29°C to 49°C)

Battery: Can be charged to 90% in 45 minutes



LIDAR-BASED PILOT ASSISTANCE

Laser-guided localization technologies make the LEMUR S easier to fly.



PAYLOADS

The LEMUR S can carry a wide variety of payloads. From hazmat operations to search and rescue missions the LEMUR S can be equipped to serve.



INTERCHANGEABLE CAMERA

The camera of the LEMUR S is modular and can be easily swapped in the field.



WATER RESISTANCE

The LEMUR S is water-resistant. It can be flown in high wind conditions, be flown underground, and can be operated at extremely low and high temperatures.



AIRFRAME SPECIFICATIONS

Fully enclosed props (enabling drones to bounce off walls and to push open doors), carbon fiber reinforced nylon PA6 drone body/ducts, CNC machined carbon-fiber motor arms/duct frame.



SECURE DATA LINKS

Data only leaves the BRINC ecosystem when a physical connection is made to the hardware, further ensuring data security. All drone communications are secure and encrypted utilizing AES 128/other confidential technologies.



VIDEO TRANSMISSION SYSTEM

Encrypted, near-zero latency high-material penetration wireless video transmission system with a line of sight transmission range in excess of 8mi (13km) and multi-receiver capability.



MANEUVERABILITY

Precise, high-performance maneuverability (3G maximum acceleration, 2G maximum vertical acceleration).



31-MINUTE FLIGHT TIME

The LEMUR S's novel battery technologies are based on Lithium-ion chemistry and allow for a best-in-class flight time.



10-HOUR PERCH TIME

With nearly a half-day perch time, the drone can be operational while idle with fully functional audio and video.



DOOR PUSHER

With the LEMUR S most interior doors are a minor inconvenience.



DAY/NIGHT-VISION SYSTEM

The LEMUR S is equipped with a 1080p at 60fps high/low light capable camera sensor, wide FOV IR sensitive main lens, integrated night-vision optics switcher, and integrated high-powered IR LEDs. The LEMUR S sees perfectly in all lighting conditions.



TWO-WAY COMMUNICATION

LEMUR S comes equipped with a powerful two-way communication system. Our drone is a flying cell phone.



TURTLE MODE

Crashes don't end missions with our platform. If the LEMUR S ends up on its back it can flip itself over and relaunch to finish a mission.



THE PROJECT

Born from advanced DHS research and a close developmental partnership with LVMPD SWAT, the LEMUR S represents a new benchmark in tactical UAV capability. The LEMUR S can breach structures, effectively locate suspects anywhere (including inside homes, skyscrapers, and buses) and facilitate two-way communication between crisis negotiators and suspects. Tested in dozens of real-world callouts, the LEMUR S is a powerful and reliable tactical tool that can save time and lives.

CONTROLLER



HANDHELD CONTROLLER

Proprietary handheld controller with CNC machined aluminum hall effect sensor gimbals, 7-inch built-in LCD screen, carbon fiber frame, thoughtful ergonomics, and a powerful, high-penetration RC transceiver.

ACCESSORIES



GENERAL PURPOSE DROPPER

The general purpose dropper is designed to carry small payloads under 1 lbs. It is useful in crisis negotiation situations to deliver a bottle of water or pack of cigarettes.



TERRESTRIAL ROBOT MOUNT

Used in conjunction with the general purpose dropper, this terrestrial robot mount allows the LEMUR S to be carried on top of a terrestrial robot or vehicle. It can be used to carry the drone under the roofline of a structure, avoiding outdoor flight.



GLASS BREAKER

Effective at breaking tempered, automotive, and most residential glass. The glass breaker allows the LEMUR S to make entry into structures.



HIGH POWERED LIGHT

Downward and forward facing flashlight. Powerful white lights illuminate the inside buildings or guide the way at night.

