brinc

TECHNOLOGY IN THE SERVICE OF PUBLIC SAFETY

10-HOUR PERCH TIME

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

AIRFRAME SPECIFICATIONS

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

31-MINUTE FLIGHT TIME

The LEMUR S's novel battery technology is based on a Lithium-ion chemistry and allows for a best in class flight time.

Water Resistant

TWO-WAY COMMUNICATION

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

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.

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 in many operations.

THE COMPANY

BRINC is an American technology company building a new class of drones to keep people safe in dangerous situations: First Responder Drones. BRINC creates highly-reliable systems with the advanced ability to fly indoors and provide 2-way communication, to protect first responders, citizens, and our communities.

TURTLE MODE

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

DOOR OPENER

With LEMUR S most interior doors are a minor inconvenience.

lemur S

31-Minute Flight Time
The LEMUR S's novel battery technology is based on Lithium-ion chemistry and allows 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.

Battery
Can be charged to 90% in 45-minutes

Dimensions (L×W×H)
12.7 x 15.2 x 3.7in (32.4 x 38.6 x 9.6cm)

Weight
2.4lbs (1.1kg)

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

Airframe Specification
Fully enclosed props (enabling the drone to bounce off walls and to push open doors), 3d printed carbon fiber reinforced nylon PA6 drone body/ducts, CNC machined prepreg carbon-fiber motor arms/duct frame

Max Speed
50mph (8 50mph (80.5km/h)

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

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

Onboard Microphone
Set of two ultra-sensitive electret condenser microphones enable the drone to hear human voices, footsteps, and doors closing up to 100 feet away.

Day/Night-Vision System
Interchangeable camera payloads include a 1080p at 60fps high/low light capable campers sensor, wide FOV IR sensitive main lens, integrated night-vision optics switcher, integrated high-powered IR LEDs, ambient light sensor (automatically changes camera software settings to rapidly compensate to changing lighting conditions) the drone can see perfectly in every lighting condition, including truly zero light.

Video Transmission System
Encrypted, near-zero latency 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.

Local Video Storage
Onboard micro SD card slot for recording high-quality video and audio logs for evidence, 64GB Class 10 micro SD cards included and required for operation. Redundantly recording in VR headset.

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.

Water Resistance
The LEMUR S is water-resistant, can. be flown in high wind conditions, be flown underground, and can operate in extremely low and high temperatures.

Accessory Mount
Includes accessory mount that can accommodate a:
- Multi-purpose dropper attachment
- Floodlight attachment
- Window breacher attachment
- Droppable signal repeater
- Terrestrial robot landing strip with 3M VHB tape backing
- Made to order custom accessory

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

VR Headset
Top-of-the-line VR headset peripheral for superior pilot emersion and focus in non-sterile operating environments (the drone can transmit video streams to multiple receivers, including VR headsets and/or command station monitors).

Drone Video Receiver
The video receiver/repeater box is a small form factor, magnetized Pelican case that can be easily attached to anything metal or mounted to a tripod. The box improves drone operating range/material penetration and transmits live video to command station displays.

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.

MADE IN THE USA BY AN AMERICAN COMPANY