TEAM THE brinc LEMUR S DRONE WITH THE MINI-CALIBER® ROBOT TO IMPROVE YOUR RECONNAISSANCE CAPABILITIES

The LEMUR S is a drone designed to enter dangerous situations by providing a highly-reliable and powerful two-way communication system with the advanced ability to enter structures, fly indoors as well as effectively locate people inside homes, skyscrapers, and vehicles.

ICOR Technology and Brinc Drones are excited to announce an integration partnership to advance air and ground robotics for public safety operators globally.

- Securely transport the LEMUR S drone and launch remotely from the Mini-CALIBER® robot
- Save battery life and fly time by transporting the LEMUR S drone closer to target before launching from Mini-CALIBER®
- Use the Mini-CAILBER® robot to open latched doors, then deploy the LEMUR S drone inside a building for a tactical advantage

Visit ICOR to learn more about how drones and ground robots work together and how to purchase them.

LEMUR S SPECIFICATIONS

Standard Features

FEATURE	DESCRIPTION
Airframe	• Withstand drop from up to 40 feet • Modular and easy to fix • 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 • Water Resistance and can operate in wet conditions
Onboard microphone	• Two ultra-sensitive electret condenser microphones • Enables the drone to hear human voices, footsteps, and doors closing up to 100 feet away
Integrated speaker	• Small, lightweight 106 dB SPL at 1m loudspeakers with adjustable volume • Can be heard at up to 500ft (152m) at its maximum power level
Video 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 • Onboard micro SD card slot for recording high-quality video and audio logs for evidence • Redundantly recording in VR headset
Extended signal ranges	• Powerful control and video signal strength • Can operate from blocks away • Utilizing an advanced wireless video transmission system • Dense-material penetration capabilities ensure the pilot is operating from a safe location and that the UAS never loses control or video signal
Drone video receiver	• Small form factor, magnetized Pelican case that can be easily attached to anything metal or mounted to a tripod • Improves drone operating range/material penetration • Transmits live video to command station displays
Day/Night Vision System	• Accept multiple, interchangeable camera payloads • 1080p at 60fps high/low light capable camera sensor • Wide FOV IR sensitive main lens illuminators • Integrated high-powered IR LEDs and optics switcher • The drone can see perfectly in every lighting condition, including truly zero light, and situations
Flying	• Laser-guided localization technologies facilitates flying • No geofencing limitations
Turtle mode	If the drone ends up on its back, it can flip itself over and relaunch to finish a mission
Accessories	• High powered light accessory • Tungsten carbide glass breaker • General-purposes dropper accessory • Flood light attachment • Terrestrial robot landing strip with 3M VHB tape backing
Glass breaker	• Allows the drone to make an entry into structures • Effective at breaking tempered, automotive and most residential glass • Attachment can be used to ventilate buildings during structures fires, make entry during active shooting situations and save lives in critical moments.
VR headset	For superior pilot emersion and focus in non-sterile operating environments (the drone can transmit video streams to multiple receivers)
Controller	• With CNC machined aluminum hall effect sensor gimbals • 7-inch built-in LCD • Carbon fiber frame • Ergonomics • Powerful, high-penetration RC transceiver
Payloads	• Carry a wide variety of payloads • Equipped to serve in many operations, from hazmat operations to search and rescue missions
WARRANTY	**2-YEAR LIMITED WARRANTY**
TECHNICAL SUPPORT	**UNLIMITED TECHNICAL SUPPORT** **customerservice@icortechnology.com**

Specifications

Mission Time	• 31-minute flight time: battery technology based on a lithium-ion chemistry • 10-hour perch time: operational while idle with fully-functional audio and video
Battery charge	45-minute (90%)
Width	15.2” (38.6 cm)
Height	3.7” (9.4 cm)
Length	12.7” (32.3 cm)
Weight	2.4lbs (1.1kg)
Operating Temperature	-20F to 120F (-29C to 49C)

ICOR TECHNOLOGY

ICOR Technology Inc. | 935 Ages Drive, Ottawa, ON K1G 6L3
Tel: 613.745.3600 | Fax: 613.745.3590 | Email: sales@icortechnology.com | Toll Free: 1.877.483.7978
www.icortechnology.com

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