UAVX AUTOMATION
Marine Automation Made Easy

LRAD UAVX1000

Remotely Operated, Integrated Communication System

DIRECTIONALITY, POWER & RANGE

- Powerful, intelligible voice communications up to 3,000 meters
- Safely communicate beyond standoff distances to determine intent
- Variable beam width for extended coverage
- Focused, directional broadcasts for targeted communication
- Creates instant acoustic standoff perimeter

FEATURES

Rugged military tested construction
Low power requirements
All-weather use
Simple to operate – increased coverag with single operator
Safer alternative to non-lethal and kinetic measures

ORDERING INFORMATION

1000 BLK	LRAD UAVX1000 with integrated amplifier, control unit, cables and microphone.

INCLUDED ACCESSORIES

Control Module	Remote MP3 control module with 2 to 16GB onboard storage memory
Record on the Fly Mic	Microphone with record and playback feature for immediate playback
MP3 Auxiliary Cable	Allows connection to any audio device with a headphone jack
USB Cable	USB cable for downloading files to the MP3 player
Hearing Protection	Disposable hearing protection
Audio Normalizer Software	Audio Normalizer software for creating customized audio recordings on a PC
CD All	CD input cable
Soft Cover	Protective soft cover

OPTIONAL ACCESSORIES

Hitch Mount	Vehicle Mount - attaches to standard trailer hitch receiver (2in/5.08cm)
Pickup Mount	Truck Mount
Shiprail Mount	Stainless steel rail mount
Hard Case	Watertight, dust proof, rugged enclosure for storage and transport
Tripod (Quickset)	Rugged aluminum tripod easily transports and quickly sets up for rapid deployment

MARKETS SERVED

- Law Enforcement
- Defense
- Critical Infrastructure Security
- Maritime
- Border & Homeland Security
- Maritime & Port Security
- Emergency Warning
- Mass Communication
- Wildlife Preservation & Control

genasys

LRAD 1000Xi

Longer Range Communication System

LONGER RANGE SYSTEM FOR EXTENDED COMMUNICATION

The UAVX1000 delivers clear voice messages and powerful deterrent tones up to 3,000 meters, making it ideal for protecting critical infrastructure, securing coastal areas, borders, and ports, as well as supporting maritime and defense operations. It can be mounted on helicopters, large vehicles, or vessels for enhanced security.

Built with a durable carbon fiber emitter and integrated electronics, the UAVX1000 includes an MP3 Control Module, enabling users to broadcast recorded messages or use a live microphone in any weather. The system also supports full remote operation. With its extended frequency range and superior sound clarity, the UAVX1000 ensures effective communication, helping to influence behavior and improve response capabilities through safe, adjustable force escalation.

ACOUSTIC PERFORMANCE

Maximum Peak Output	159dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	153 db SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1kHz
Communication Ranges	Maximum range up to 3,000 meters in ideal conditions. Operational range up to 1,250 meters over 88dB of background noise. Ranges based on continuous output.

ENVIRONMENTAL PERFORMANCE

Hot Operating Temperature	MIL-STD-810G, Method 501.5, Procedure II, Design type Hot, 60°C
Cold Operating Temperature	MIL-STD-810G, Method 502.5, Procedure II, Design type Basic Cold, -33°C
Hot Storage Temperature	MIL-STD-810G, Method 501.5, Procedure I, 70°C
Cold Storage Temperature	MIL-STD-810G, Method 502.5, Procedure I, -40°C
Operating Humidity	MIL-STD 810G, Method 507.5, Procedure II – Aggravated Cycle
Rain	MIL-STD-810G, Method 506.5, Procedure I, Blowing rain
Salt Fog	MIL-STD-810G, Method 509.5
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-S-901D, Class I, Shock grade B
Random Vibration	MIL-STD-810G, Method 514.6, Wheeled Vehicles
SRS Shock	MIL-STD-810G, Method 516.6, Procedure I, (Functional shock)

DESIGNED TO MEET MIL-STD-810G, MIL-STD-167-1A, MIL-S-901D.

MECHANICAL

Dimensions	122" W x 85" H x 80" D (310 cm x 215 cm x 203 cm)
Weight	143 lbs. (65.0 kg) without accessories
Construction	Construction Molded low smoke composite, 6061 Aluminum

ELECTRICAL REQUIREMENTS[1]

Power Consumption	Typical Power consumption 720 Watts (With tone) Normal power consumption 190 Watts (With voice content)
Power Input	90-260 VAC, 50/60 Hz

[1] TYPICAL POWER WITH WARNING TONE. NORMAL POWER CONSUMPTION WITH VOICE CONTENT, SOUND PROJECTION IS WIDE AND VOICE BOOST IS OFF.

SAFETY[2]

	MIL-STD-1474D

[2] MIL-STD-1474D STANDARD ESTABLISHES ACOUSTICAL NOISE LIMITS AND PRESCRIBES TESTING REQUIREMENTS AND MEASUREMENT TECHNIQUES FOR DETERMINING CONFORMANCE TO THE NOISE LIMITS SPECIFIED THEREIN.

ELECTROMAGNETIC COMPATIBILITY (EMC)[3]

	FCC Part 15 class A radiated emissions

[3] REQUIREMENTS FOR THE CONTROL OF ELECTROMAGNETIC INTERFERENCE CHARACTERISTICS OF SUBSYSTEMS AND EQUIPMENT.

UAVX Automation - Leading the Way in Protective Communications

UAVX Automation offers a broad array of protective communication solutions. These include predictive simulations to assess and anticipate emerging crises, emergency alert systems for public safety, and critical event management for both businesses and government agencies. The solutions also support de-escalation strategies for law enforcement and defense, along with real-time threat detection. For more information, visit uavxautomation.com.

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