LRAD-X™

Long Range Acoustic Device™

LRAD 1000X

CRITICAL INFRASTRUCTURE PROTECTION

LRAD 1000X® – THE SOUND OF SECURITY

In today's threat environment, focusing on security is more important than ever. Any disruption in operations resulting from a security threat can negatively impact business operations, consumer confidence, and corporate image. American Technology Corporation understands these challenges and has developed the LRAD-X series, a product line of highly directional acoustic devices designed to broadcast powerful and intelligible voice messages and warning tones. The LRAD 1000X, not only can deter an intruder at an extended range, but can also determine the intent of an intruder prior to interception.

The superior voice intelligibility and clarity of the LRAD 1000X provides a highly directional audio beam that achieves maximum sound projection and penetration over distance (500 meters and beyond). LRAD-X operators have the ability to issue clear, authoritative verbal commands, followed with powerful deterrent tones (152 dB at one meter) to enhance response capabilities. The extended frequency range of the LRAD-X ensures voice commands will be clearly understood.

LRAD technology is a proven, cost effective solution that has been deployed in a variety of commercial security applications, including enforcement of exclusion zones around oil and gas platforms and pipelines, perimeter security for petrochemical and nuclear plants.

For a free demo and more information, please contact an ATC representative.

THE LRAD-X ADVANTAGE:

EXTENDED DIRECTIONALITY/OUTPUT

- DETERMINES THE INTENT OF A THREAT AT AN EXTENDED RANGE
- ASSESSES A THREAT SITUATION PRIOR TO INTERDICTION
- REDUCES THE RISK OF EXPOSING NEARBY PERSONNEL TO EXCESSIVE AUDIO LEVELS

EXTENDED FREQUENCY RANGE

- BROADCASTS FULL SPECTRUM VOICE AT EXTENDED RANGES

COST EFFECTIVE SOLUTION

- INCREASES SECURITY COVERAGE
- REDUCES MANPOWER
- IMPROVES RESPONSE TIMES
- IMPROVES COORDINATION EFFORTS

EASE OF USE

- RUGGEDIZED PACKAGE
- LOW POWER REQUIREMENTS
- ALL WEATHER CAPABILITY
- LIGHTWEIGHT
- FLEXIBLE MOUNTING

PART NO. 105246-00 Rev 02

American Technology™ CORPORATION

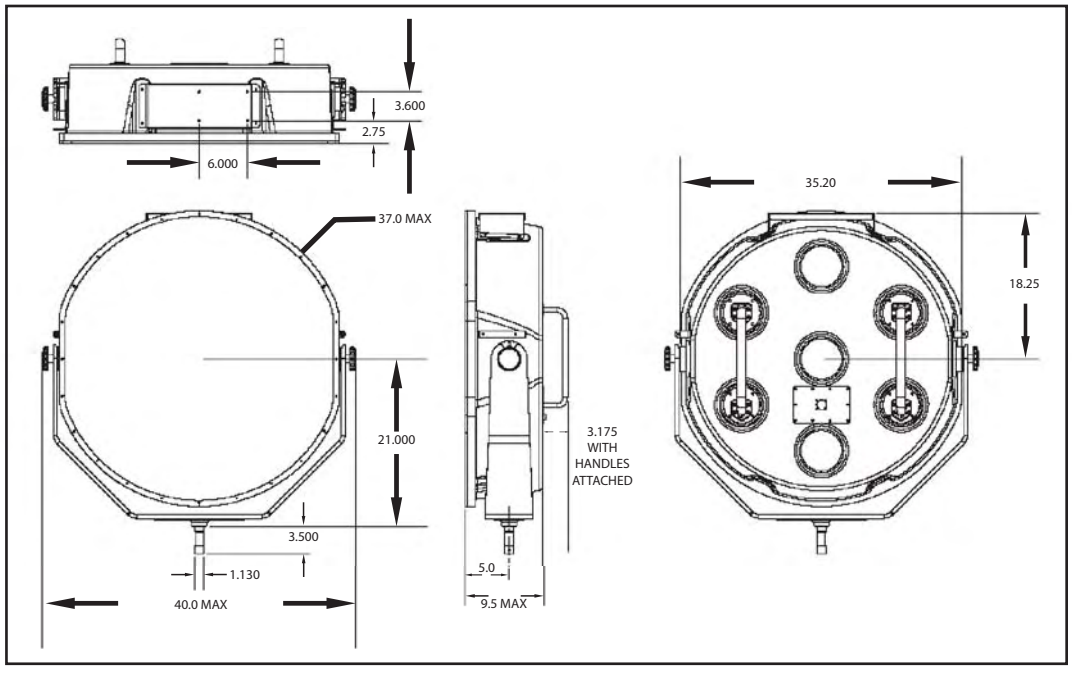
Shaping the future of sound®

LRAD-X™

Long Range Acoustic Device™

LRAD 1000X SPECS

ACOUSTIC PERFORMANCE	
Communications Range	Intelligible speech transmissions at 500 to 1,000 meters
Frequency Range	720 Hz – 6.6 kHz (+ 5dB)
Maximum Volume (SPL)	152dB @ 1 meter 100 dB at 300 meters with alert tone
Acoustic "Beam" Width	+/- 15° @ 1 kHz -3dB
Power Requirements	Normal Power Consumption 300 Watts Peak Power Consumption 900 Watts
Power Input	100 - 240VAC
Back Wave Cancellation	Over 25 dB lower than the front at 1kHz
ENVIRONMENTAL	
Random Vibration	MIL-STD-810F, Method 514-4, Wheeled Vehicles
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-S-910D, Class I, Shockgrade B
SRS Shock	MIL-STD-810F, Method 516.5, Procedure 1 (Functional Shock)
High/Low Temp Operational	MIL-STD-810F, Method 501.4 & 502.4, Procedure 2, -33° to 71° C
Rain	MIL-STD-810F, Method 506.4, Procedure 2, Blowing Rain
Operating Humidity	MIL-STD-810F, Method 507.4
Salt Fog	MIL-STD-810F, Method 509.4
SAFETY	MIL-STD-1474D
ELECTROMAGNETIC COMPATIBILITY	FCC Class A radiated and conducted emissions
UNIT WEIGHT	
Emitter Array Weight	85 lbs without accessories
MECHANICAL	
Emitter Array Dimension	See Mechanical Drawing
Emitter Construction	Molded Low Smoke Composite
Electronics Module Dimension	21.2" x 16" x 8.3"
Electronics Housing	Watertight Molded Case



American Technology Corporation is "Shaping the Future of Sound®" by providing commercial, government and military markets revolutionary directed acoustic systems featuring next generation communications intelligibility.

15378 Avenue of Science, Suite 100
San Diego, CA 92128

Phone (858) 676-1112
Fax (858) 676-1120

LRAD Sales & Marketing Inquiries:
Sales@atcsd.com
LRAD Technical and/or Application Support:
Technical@atcsd.com

American Technology™ CORPORATION

Shaping the future of sound®

LAST MODIFIED 03/25/08 SPECIFICATIONS SUBJECT TO CHANGE