

LRAD 1000_{TM}

PRODUCT SHEET

SYSTEM COMPONETS

LRAD 1000 can be integrated with a variety of accessories for custom security solutions



MP3 PLAYER

ATC's hardened, ruggedized MP3 player comes standard with LRAD 1000 and is used to play pre-recorded messages and warning tones.



MICROPHONE

The Shure Model577B Microphone is a handheld dynamic microphone designed for communications that require highly intelligible, low noise output.



MAXA BEAM

The Maxa Beam searchlight delivers 6 million candle-power in a lightweight, handheld unit. Using a high efficiency 75 watt Xenon short arc lamp with over 500 hours of life, this searchlight illuminates targets up to 1.5 miles away. Optional.

THE LRAD-X™ ADVANTAGE:

EXTENDED DIRECTIONALITY/OUTPUT

- □ DETERMINES THE INTENT OF A THREAT AT AN EXTENDED RANGE
- ☐ ASSESSES A THREAT SITUATION PRIOR TO INTERDICTION
- □ VARIABLE BEAM WIDTH FOR EXTENDED COVERAGE
- REDUCES THE RISK OF EXPOSING NEARBY PERSONNEL TO EXCESSIVE AUDIO LEVELS

EXTENDED FREQUENCY RANGE

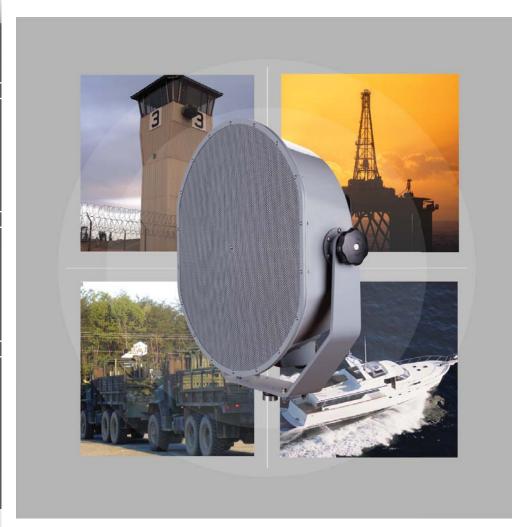
■ BROADCAST FULL VOICE SPECTRUM AT EXTENDED RANGES

COST EFFECTIVE SOLUTION

- ☐ INCREASED SECURITY COVERAGE
- ☐ REDUCED MANPOWER
- ☐ IMPROVED RESPONSE TIMES
- ☐ IMPROVED COORDINATION EFFORTS

EASE OF USE

- ☐ RUGGEDIZED PACKAGE
- \square LOW POWER REQUIREMENTS
- ☐ ALL WEATHER CAPABILITY
- □ LIGHTWEIGHT
- ☐ FLEXIBLE MOUNTING



STRONG, LOUD AND CLEAR WITH LRAD 1000

LRAD 1000 is lightweight and can be easily transported to provide security personnel long range communications and a highly effective hailing and warning capability where needed.

The superior voice intelligibility and clarity of LRAD 1000 provides a directional audio beam that can communicate with high intelligibility over 88 dB of background noise beyond 650 meters and capable of communicating over 2000 meters away in a benign environment. LRAD 1000 operators have the ability to issue clear, authoritative verbal commands, followed with powerful deterrent tones to enhance response capabilities. The extended frequency range of LRAD 1000 ensures voice commands will be clearly understood.



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ACOUSTIC PERFORMANCE

Maximum Continuous Output

Beam Width

Frequency Range

Communications Range

148 dB SPL at 1 meter

+/-15° @ 1 kHz/-3dB See frequency response curve below

Highly intelligible speech transmissions over 2000 meters;*Max range of

650 meters over 88 dB of background noise.

ENVIRONMENTAL PERFORMANCE

Hot Operating Temperature

Cold Operating Temperature

Rain

Salt Fog

Shipboard Vibration

Shipboard Shock

Random Vibration

SRS Shock

Drop

Hot Storage Temperature Cold Storage Temperature

Operating Humidity

MIL-STD-810G, Method 501.5, Procedure II, Design type Hot, 60°C

MIL-STD-810G, Method 502.5, Procedure II, Design type Basic Cold,-33°C

MIL-STD-810G, Method 506.5, Procedure I, Blowing rain

MIL-STD-810G, Method 509.5

MIL-STD-167-1A

MIL-S-901D, Class I, Shock grade B

MIL-STD-810G, Method 514.6, Wheeled vehicles

MIL-STD-810G, Method 516.6, Procedure I (Functional shock)

1 meter all surfaces

MIL-STD-810G, Method 501.5, Procedure I, 70°C

MIL-STD-810G, Method 502.5, Procedure I, -40°C

MIL-STD 810G, Method 507.5, Procedure II - Aggravated Cycle

MECHANICAL

Emitter Array Dimension

Emitter Array Weight

Construction

30" W x 32" H x 13" D

66 lbs (30 kg) without accessories

Molded low smoke composite; 6061 Aluminum Stainless steel 316

Normal power consumption 250 watts, Peak power consumption 350 watts

Stainless hardware

ELECTRICAL REQUIREMENTS

Power Consumption

Power Input

12 - 28VDC

SAFETY

MIL-STD-1474D

ELECTROMAGNETIC COMPATIBILITY

-146

ECC Part 15 class B radiated emissions MII STD 161E CE

COLORS

Gray

Catalog No. LRAD-1000-G-02

^{*6+} dB above background noise is based on field trials conducted by independent sources.

