



PRODUCT SHEET

SYSTEM COMPONENTS

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



MP3 PLAYER

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



MICROPHONE

The Shure Model 577B 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 candlepower 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.



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

- ▣ 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
- ▣ LOW POWER REQUIREMENTS
- ▣ ALL WEATHER CAPABILITY
- ▣ LIGHTWEIGHT
- ▣ FLEXIBLE MOUNTING

STRONG, LOUD AND CLEAR WITH LRAD 1000X

LRAD 1000X can be manually operated to provide long distance hailing and warning with highly intelligible communication.

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 to enhance response capabilities. The extended frequency range of the LRAD-X ensures voice commands will be clearly understood.

ACOUSTIC PERFORMANCE

Communications Range
Frequency Range
Maximum Volume (SPL)

Acoustic "Beam" Width
Power Requirements

Power Input
Back Wave Cancellation

Intelligible speech transmissions at 500 to 1,000 meters
720 Hz – 6.6 kHz
152dB @ 1 meter
Over 100 dB at 300 meters
+/- 15° @ 1 kHz/-3dB
Normal Power Consumption 300 Watts
Peak Power Consumption 900 Watts
100 - 240VAC
Over 35 dB lower than the front at Maximum SPL

ENVIRONMENTAL

Random Vibration
Shipboard Vibration
Shipboard Shock
SRS Shock

High/Low Temp Operational
Rain

Operating Humidity
Salt Fog

MIL-STD-810F, Method 514.4, Wheeled Vehicles
MIL-STD-167-1A
MIL-S-910D, Class I, Shockgrade B
MIL-STD-810F, Method 516.5, Procedure 1
(Functional Shock)
MIL-STD-810F, Method 501.4 & 502.4, Procedure 2
MIL-STD-810F, Method 506.4, Procedure 2,
Blowing Rain
MIL-STD-810F, Method 507.4
MIL-STD-810F, Method 509.4

SAFETY

MIL-STD-1474D

ELECTROMAGNETIC COMPATIBILITY

FCC Part 15 Class A radiated and conducted emissions

UNIT WEIGHT

Emitter Array Weight

85 lbs without accessories

MECHANICAL

Emitter Array Dimension
Emitter Construction
Electronics Module Dimension
Electronics Housing

36" W x 40" H x 13" D
Molded Low Smoke Composite
21.2" x 16" x 8.3"
Watertight Molded Case

UNIT COLORS

Gray
White

Catalog No. LRAD-1000X-G-SYS
Catalog No. LRAD-1000X-W-SYS

