

HS-16 HyperSpike® Acoustic Hailing Device

Features

- 148 dB SPL peak acoustic output
- Long range: 1000 m+
Narrow acoustic beam: +/-10°
- Wide frequency range: 275 Hz - 12 kHz optimized for human voice
- STI 0.85 out of 1.0
- Pan & Tilt Capability
- Built-in high frequency alert tone
- Compact Construction
- Man-portable at 49 lbs
- Optional Network Port for future capabilities
- Self-Contained Electronics

With its unique and proprietary HyperSpike® technology, the 148 dB directional audio beam of the HS-16 is the ideal sound reinforcement solution for communicating long distances and penetrating high background noise environments.

With an acoustic footprint of 1000+ meters, clear, intelligible and authoritative commands are broadcast to intended targets to determine intent and influence behavior.

A powerful built-in alert tone projects an attention-getting, high frequency warning which enhances military and security personnel's response.

Equipped with Pan & Tilt capability, the HS-16 enables communication at range in either real-time voice or pre-recorded, multiple language messages

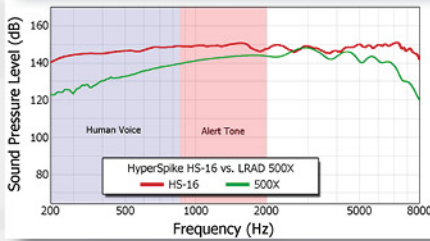
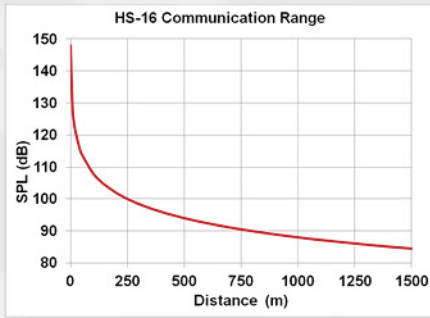
Applications

- Checkpoint Operations
- Riot & Crowd Control
- Convoy Operations
- Maritime Security
- Pirate Deterrent
- Vehicle & Vessel • Platforms
- Law Enforcement, SWAT
- Emergency & Event
- Control Industrial, Nuclear, Refinery Facilities
- Border & Port Protection
- Search & Rescue
- Commercial Vessels
- Keep people, animals and birds out of high security locations

HyperSpike® products are available from
Nixalite® of America Inc
www.nixalite.com
P 800.624.1189



HS-16 Specifications



Overlay data compiled by lrad.com and ultra-hyperspike.com

Ordering Information

Model No.

90067A-1221-04

90067A-1221-02

Included with the HS-16

- (1) Microphone
- (1) Pan & Tilt Bracket
- (1) MP3 Player
- (1) Hearing Protection
- (1) HS Audio Optimizer Software

Mission-Critical Accessories

- Tripod - p/n 92010A-801
- Maritime Cover - p/n 92032A-1
- Transit Case - p/n 99027A-801
- Ship Rail Clamp - p/n 92011A-6 (Stainless Steel)



Acoustic Specifications:

Sound Pressure Level, Peak	148 dB A-weighted @ 1 m
Usable Range ^A Beam	Up to 1000 m (see graph)
Width Frequency	+/- 10° (20° conical @ 2 kHz +/-3 dB)
Response	275 Hz - 12 kHz (see graph)

Power Requirements:

Power Input	100-250 VAC 50/60 Hz
Current Draw (Normal Voice)	1.2 Amps, 110-120V, typical
Current Draw (Alert Tone)	2.0 Amps, 110-120V, typical

Physical Specifications

Dimensions - Emitter Head	16.75" Diameter × 14.25" Depth (42.5 cm Diameter × 36.2 cm Depth)
Dimensions with Pan & Tilt Bracket	22.75" W x 20.1" H x 17.3" D (57.8 cm W x 51.1 cm H x 43.9 cm D)
Weight - Emitter Head	49 lbs (22.2 kg)
Housing Construction	Composite
Housing Color	Navy Gray (04), Desert Tan (02) or custom color

Environmental^B:

High/Low Operating Temperature	MIL-STD-810F, Method 501.4 & 502.4, +50°C, -33°C
Random Vibration	MIL-STD-810F, Method 514.4
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-STD-910D, Class I
SRS Shock (Functional)	MIL-STD-810F, Method 516.5
Rain (Blowing)	MIL-STD-810F, Method 506.4
Operating Humidity	MIL-STD-810F, Method 507.4
Salt Fog	MIL-STD-810F, Method 509.4
Drop Survivability	36 inches
Safety Standard	MIL-STD-1474D
EMC Standard	FCC Part 15 class A Radiated and Conducted Emissions

^A Ambient environmental conditions

^B Designed to meet harsh, maritime environmental conditions

Ultra Electronics HyperSpike® products are available from:



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