

## HS-18 HyperSpike® Acoustic Hailing Device with Opti-Port

### Features

- 156 dB SPL peak acoustic output
- Long range: 2000 m+  
Narrow acoustic beam: +/-5°
- Wide Frequency Range: 245 Hz - 10 kHz, optimized for human voice
- STI 0.96 out of 1.0
- Pan & Tilt capable
- Built in high frequency alert tone
- Self-contained electronics
- Compact carbon fiber construction

HyperSpike® products are available from Nixalite® of America Inc

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Combining Ultra's unique and proprietary HyperSpike® technology with the innovative Opti-Port equipment bay, the customizable HS-18 is an ideal sound reinforcement solution. With 156 dB of forceful acoustics, operators have the ability to issue clear, authoritative verbal commands and cut through high background noise. The HS-18 is used for long range notification, animal control, bird dispersal and more.

Security operations are enhanced with the HS-18's first-to-market, Opti-Port equipment bay. Easily configured with an optional video camera, search light, or laser/dazzler, mission-critical sensors give security personnel additional time and valuable information to evaluate a potential threat.

With the Opti-Port equipment bay located in the center of the HS-18, optional sensors are inherently centered in the middle of the acoustic wave, minimizing calibration and maintenance time.

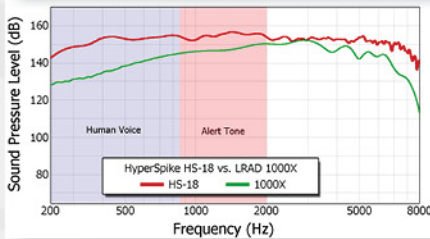
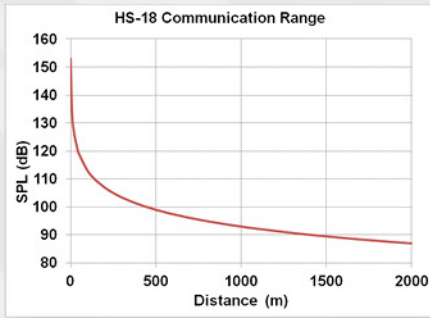
With an acoustic footprint up to 2,000 m+, clear, intelligible and authoritative commands are broadcast to intended targets with industry leading clarity.

### Applications

- Military Security
- Maritime & Port Security
- Perimeter Protection
- Law Enforcement Oil & Gas Platforms
- Airports & Runways
- Commercial Shipping
- Yacht & Cruise Line Security
- Bird and wildlife dispersal
- Colleges, Universities
- High value facilities
- Keep people, animals and birds out of high security locations



# HS-18 Specifications



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

## Ordering Information

Model No.

90096A-1111-04

90096A-1111-02

## Included with the HS-18

- (1) Microphone
- (1) MP3 Player
- (1) Saddle Bracket
- (1) HS Audio Optimizer Software

## Mission-Critical Accessories

- Remote Operations Controller
- Thermal Imager
- Sony Daylight Camera
- Programmable Search Light
- Laser Vision Interrupter
- Ship Rail Clamp - p/n 92011A-6 (Stainless Steel)

## Acoustic Specifications:

Sound Pressure Level, Peak	156 dB A-weighted @ 1 m
Usable Range <sup>A</sup>	Exceeds 2000 m (See Graph)
Beam Width	+/- 5° (10° conical @ 2 kHz +/-3 dB)
Frequency Response	245 Hz - 10 kHz (See Graph)

## Power Requirements:

Power Input	100-250 VAC, 50/60 Hz
Current Draw (Voice)	2.4 Amps, 110V, typical
Current Draw (Alert Tone)	4.0 Amps, 110V, maximum

## Physical Specifications

Dimensions - Emitter Head	20.0" diameter × 18.3" depth (50.8 cm diameter × 46.5 cm depth)
Dimensions - Opti-Port bay	5.75" diameter x 5.5" depth (14.6 cm diameter x 14.0 cm depth)
Weight - Emitter	90 lbs (40.8 kg)
Housing Construction	Carbon fiber
Housing Color	Navy Gray (04), Dessert Tan (02) or custom color

## Environmental<sup>B</sup>:

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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