

## HS-18 RAHD™ HyperSpike® Acoustic Hailing Device

### Features

- 156 dB SPL peak acoustic output
- Narrow acoustic beam: +/- 5°
- Wide frequency range: 245 Hz - 10 kHz optimized for human voice
- Ethernet addressable for remote capability
- Compact enclosure to reduce radar cross section & wind loading
- Opti-Port equipment bay positions optics with acoustic beam
- Compatible with many optics & cameras

HyperSpike® products are available from Nixalite® of America Inc  
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E sales@nixalite.com

Combining Ultra's unique and proprietary HyperSpike technology with a pan & tilt positioning device from Moog, the HS-18 RAHD™ is the ideal sound reinforcement solution for remote locations. With 156 dB of penetrating acoustics, operators have the ability to issue authoritative verbal commands while cutting through high background noise environments. The HS-18 RAHD is used for long range notification, animal control, bird dispersal and more.

Operated remotely across an IP network, the HS-18 RAHD™ allows operators to respond to potential threats from a safe setting, creating a complete unmanned perimeter security solution.

Enhancing remote security, the HS-18 RAHD™ Opti-Port equipment bay is easily configured with an optional video camera, search light or laser dazzler. The addition of IP-enabled sensors gives security personnel additional time and valuable information to evaluate the potential threat.

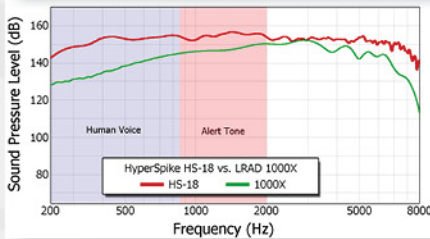
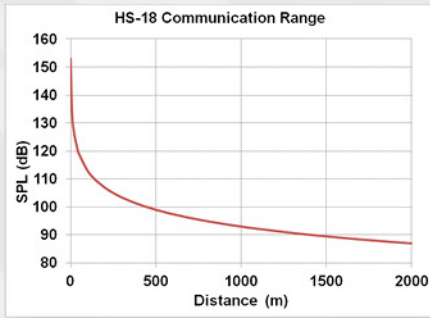
With an acoustic footprint exceeding 1500 m+ clear, intelligible and authoritative commands are broadcast to intended targets with industry leading clarity.

### 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 RAHD Specifications



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

## Ordering Information

Model No.

90097A-801

## Included with the HS-18 RAHD

- (1) Sony Daylight Camera
- (1) Microphone
- (1) Pan & Tilt Control software
- (1) Laptop computer
- (1) HS Audio Optimizer

## Mission-Critical Accessories

- Thermal Imager
- Laser Vision Interrupter
- Programmable Search Light

HS-18 RAHD may be customized to meet security requirements. See Accessories or contact factory for details.



## 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)

## Positioning Specifications:

Slew Rate

Tilt: 45° / sec      Pan: 70° / sec

Range of Motion

Tilt: ± 90°      Pan: ± 215°

## Power Requirements:

Power Input

100-250 Vac, 50/60 Hz

## Physical Specifications

Communication Interface

T10/100 based Ethernet

Dimensions - System

35" W x 40.5" H x 27" D  
(89 cm W x 102.8 cm H x 68.5 cm D)

Dimensions - Emitter Head

20.0" diameter x 15.0" depth  
(50.8 cm diameter x 38.1 cm depth)

Dimensions - Opti-Port Bay

6.0" diameter x 5.5" depth  
(12.2 cm diameter x 14.0 cm depth)

Weight - System

260 lbs (118 kg)

Emitter Construction

Carbon fiber

Color

Gray (801) or Custom Color

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

Random Vibration

MIL-STD 810F, Method 514.4

Shipboard Vibration

MIL-STD-167-1A

Shipboard Shock

MIL-STD-910D, Class I

SRS Shock

MIL-STD-810F, Method 516.5

High Temperature Operation

MIL-STD-810F, Method 501.4

Low Temperature Operation

MIL-STD-810F, Method 502.4

Rain

MIL-STD-810F, Method 506.4

Operating Humidity

MIL-STD-810F, Method 507.4

Salt Fog

MIL-STD-810F, Method 509.4

<sup>A</sup> Ambient environmental conditions

<sup>B</sup> Designed to meet harsh, maritime environmental conditions

Ultra Electronics HyperSpike® products are available from:



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