

Shown with optional search light



Sound that Moves

**Features**

- 156 dB SPL peak acoustic output
- Ethernet addressable for remote capability
- Compact enclosure to reduce radar cross section & wind loading
- Optimized for human voice communication 245 Hz - 10 kHz
- Opti-Port equipment bay positions optics with acoustic beam
- Compatible with many optics & cameras
- wav & mp3 compatible

# HS-18 RAHD™

## Award Winning HyperSpike™ Technology

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 a 156 dB of penetrating acoustics, operators have the ability to issue authoritative verbal commands while cutting through high background noise environments.

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's 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.

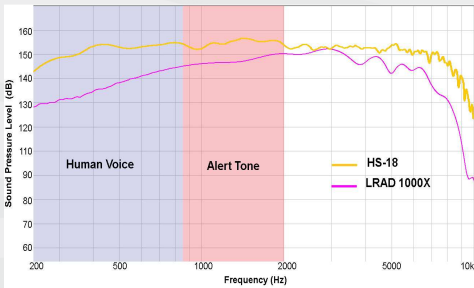
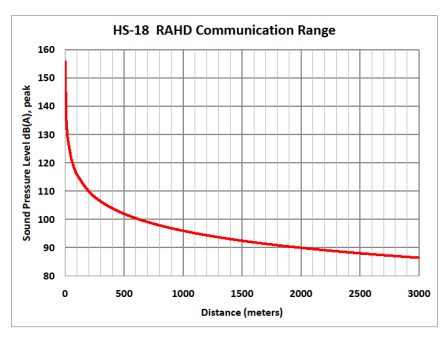
An acoustic footprint exceeding 2000 m+, clear, intelligible commands and authoritative messages are broadcast to intended targets with exceptional, crystal clear STI ratings of 0.96 out of 1.0.

**Applications**

- Military Security
- Maritime & Port Security
- Perimeter Protection
- Law Enforcement
- Oil & Gas Platforms
- Wildlife Avoidance
- Commercial Shipping



# HS-18 RAHD Specifications



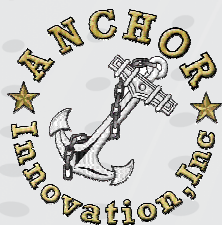
Overlay data compiled by Irad.com and ultra-hyperspike.com

## Ordering Information

Model No. 90097A

## Included with HS-18 RAHD

- ony Daylight Camera
- icrophone
- an & Tilt Control software
- aptop computer
- S Audio Optimizer custom message software
- Hearing protection



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## Acoustic Specifications:

Sound pressure level, peak  
 Usable range<sup>1</sup>  
 Beam width  
 Frequency response

156 dB A-weighted @ 1 m  
 Exceeds 2000 m (see graph)  
 +/- 5°(10°conical @ 2 kHz /-3 dB)  
 245 Hz - 10 kHz (see graph)

## Positioning Specifications:

Slew Rate  
 Range of Motion

Tilt: 45°/ sec Pan: 70°/ sec  
 Tilt: ± 90° Pan: ± 215°

## Power Requirements:

Power input

100-250 Vac, 50/60 Hz

## System Specifications:

Communication Interface  
 Dimensions - System

T10/100 based Ethernet  
 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

Black or custom color

## Environmental<sup>2</sup>:

Random Vibration  
 Shipboard Vibration  
 Shipboard Shock  
 SRS Shock  
 High Temperature Operation  
 Low Temperature Operation  
 Rain  
 Operating Humidity  
 Salt Fog

MIL-STD 810F, Method 514.4  
 MIL-STD-167-1A  
 MIL-STD-910D, Class I  
 MIL-STD-810F, Method 516.5  
 MIL-STD-810F, Method 501.4  
 MIL-STD-810F, Method 502.4  
 MIL-STD-810F, Method 506.4  
 MIL-STD-810F, Method 507.4  
 MIL-STD-810F, Method 509.4

## Mission-Critical Accessories

- Thermal Imager
- Laser Vision Interrupter
- Programmable Search Light

<sup>1</sup> Environmental conditions dependent

<sup>2</sup> Designed to meet harsh, maritime environmental conditions

Ultra Electronics reserves the right to vary these specifications without notice.

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