



Shown with optional search light



## HS-18 RAHD™ Award Winning HyperSpike™ Technology

- Delivers clear, intelligible messages with a range exceeding 1500 meters
- 153 dB @ 1m penetrating peak acoustic output
- Optimized for human voice communication, 245 – 10,000 Hz
- Narrow acoustic beam, +/- 5°
- High frequency alert tone
- Exceptional clarity with STI rating of 0.96 out of 1.0

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 153 dB of penetrating acoustics, communicating long distances and through high background noise environments is an effective means of deterrence.

With an acoustic footprint up to 1500 m+, clear, intelligible commands and authoritative messages are broadcast to intended targets with exceptional STI ratings of 0.96 out of 1.0.

HS-18 RAHD can be operated remotely across an IP network allowing operators to respond to potential threats from a safe environment.

To facilitate remote security operations, the

HS-18 RAHD's equipment bay can easily be 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.

### Applications

- Military Security
- Maritime & Port Security
- Perimeter Protection
- Law Enforcement
- Oil & Gas Platforms
- Airport Bird Avoidance
- Commercial Shipping
- Yacht & Cruiseline Security

**MOOG**

**Ultra  
ELECTRONICS**



# HS-18 RAHD™ Specifications

## Ordering Information

Model No. HS-18 RAHD

## Included with HS-18 RAHD

- Microphone
- Control Software

## Optional Equipment:

- Thermal Imager
- Programmable Search Light
- Laser Vision Interrupter
- Optical Daylight Camera

## Acoustic Specifications:

Sound Pressure Level, max peak	153 dB @ 1m, A-weighted
Usable Range <sup>1</sup>	1500 m typical
Beam Width, primary	+/- 5° (10° conical @ 2 kHz)
Frequency Range	245 – 10,000 Hz

## Positioning Specifications:

Slew Rate	Tilt: 45° / sec	Pan: 70° / sec
Range of Motion	Tilt: ± 90°	Pan: ± 215°

## System Specifications<sup>2</sup>:

Input Power	100 – 250 Vac / 50-60 Hz
Communication Interface	T10/100 Based Ethernet
System Weight	260 lbs (118 kg)
Color	White, optional custom color
Dimensions of System	35" W x 40.5" H x 27" D 89cm W x 102.8cm H x 68.5cm D
Equipment Bay Dimensions	6" (15.24 cm) Diameter, 5.5" (14 cm) Depth



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<sup>1</sup>Ambient 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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