HyperSpike® Available from Nixalite® of America Inc

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

**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

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.
HS-18 RAHD Specifications

Acoustic Specifications:
- Sound Pressure Level, Peak: 156 dB A-weighted @ 1 m
- Usable Range: 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  
- Dimensions - Emitter Head: (89 cm W x 102.8 cm H x 68.5 cm D)
- Dimensions - Opti-Port Bay: 20.0° diameter x 15.0° depth 
  (50.8 cm diameter x 38.1 cm depth)
- Weight - System: 6.0° diameter x 5.5° depth 
  (12.2 cm diameter x 14.0 cm depth)
- Emitter Construction: 260 lbs (118 kg)
- Color: Carbon fiber
- Gray (801) or Custom Color

Environmental:
- 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

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.

Ultra Electronics HyperSpike® products are available from:

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