HyperSpike® Acoustic Hailing Device

**Features**
- 148 dB SPL peak acoustic output
- Long range: 1000 m+ Narrow acoustic beam: +/-10°
- Wide frequency range: 275 Hz - 12 kHz optimized for human voice
- STI 0.85 out of 1.0
- Pan & Tilt Capability
- Built-in high frequency alert tone
- Compact Construction
- Man-portable at 49 lbs
- Optional Network Port for future capabilities
- Self-Contained Electronics

With its unique and proprietary HyperSpike® technology, the 148 dB directional audio beam of the HS-16 is the ideal sound reinforcement solution for communicating long distances and penetrating high background noise environments.

With an acoustic footprint of 1000+ meters, clear, intelligible and authoritative commands are broadcast to intended targets to determine intent and influence behavior.

A powerful built-in alert tone projects an attention-getting, high frequency warning which enhances military and security personnel’s response.

Equipped with Pan & Tilt capability, the HS-16 enables communication at range in either real-time voice or pre-recorded, multiple language messages.

**Applications**
- Checkpoint Operations
- Riot & Crowd Control
- Convoy Operations
- Maritime Security
- Pirate Deterrent
- Vehicle & Vessel Platforms
- Law Enforcement, SWAT
- Emergency & Event
- Control Industrial, Nuclear, Refinery Facilities
- Border & Port Protection
- Search & Rescue
- Commercial Vessels
- Keep people, animals and birds out of high security locations

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HyperSpike® products are available from Nixalite® of America Inc
www.nixalite.com
P 800.624.1189
HS-16 Specifications

Acoustic Specifications:
- Sound Pressure Level, Peak: 148 dB A-weighted @ 1 m
- Usable Range\(^a\) Beam: Up to 1000 m (see graph)
- Width Frequency: +/- 10° (20° conical @ 2 kHz /-3 dB)
- Response: 275 Hz - 12 kHz (see graph)

Power Requirements:
- Power Input: 100-250 VAC 50/60 Hz
- Current Draw (Normal Voice): 1.2 Amps, 110-120V, typical
- Current Draw (Alert Tone): 2.0 Amps, 110-120V, typical

Physical Specifications
- Dimensions - Emitter Head: 16.75" Diameter x 14.25" Depth
  (42.5 cm Diameter x 36.2 cm Depth)
- Dimensions with Pan & Tilt Bracket: 22.75" W x 20.1" H x 17.3" D
  (57.8 cm W x 51.1 cm H x 43.9 cm D)
- Weight - Emitter Head: 49 lbs (22.2 kg)
- Housing Construction: Composite
- Housing Color: Navy Gray (04), Desert Tan (02) or custom color

Environmental\(^b\):
- 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 (F unctional): MIL-STD-810F, Method 518.5
- 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

Mission-Critical Accessories
- Tripod - p/n 92010A-801
- Maritime Cover - p/n 92032A-1
- Transit Case - p/n 99027A-801
- Ship Rail Clamp - p/n 92011A-6 (Stainless Steel)

Included with the HS-16
- (1) Microphone
- (1) Pan & Tilt Bracket
- (1) MP3 Player
- (1) Hearing Protection
- (1) HS Audio Optimizer Software

Ordering Information
Model No.
90067A-1221-04
90067A-1221-02

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A Ambient environmental conditions
B Designed to meet harsh, maritime environmental conditions

Ultra Electronics HyperSpike® products are available from:

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1025 16th Ave, E. Moline, IL 61244
www.nixalite.com sales@nixalite.com
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