HyperSpike® Acoustic Hailing Device

With the proprietary HyperSpike® technology, the HS-14 is a self-contained, lightweight, portable acoustic hailer for communicating long distances and penetrating high background noise environments. With an acoustic footprint up to 1,500 meters, the HS-14 packs a peak acoustic output of 151 dB to ensure clear and authoritative voice commands are clearly understood. The HS-14 is used for long range notification, animal control, bird dispersal and more.

Powerful deterrent tones which enhance military and security personnel’s response capabilities are easily accessible with the built-in high frequency alert tone.

Weighing only 37 lbs., the rugged, lightweight carbon fiber reinforced housing is easily transported and withstands extreme maritime and desert environments.

An exceptional STI rating of 0.81 / 1.0 combined with an extended frequency range ensures authoritative voice commands are clearly delivered to the intended target.

Features
- 151 dB SPL peak acoustic output
- Long range: 1500 m+
- Narrow acoustic beam: +/- 12°
- Wide frequency range: 300 Hz - 8 kHz, optimized for human voice
- STI 0.81 out of 1.0
- Built-in high frequency alert tone
- Internal 16 GB file player
- Built-in thermal management system to prevent thermal shutdown

Applications
- Crowd Control
- Fire Services
- Search & Rescue
- First Responders
- Law Enforcement
- Public Safety
- Emergency/Event Control
- Maritime – RHIB
- Border & Port Protection
- Bird and wildlife dispersal
- Colleges, Universities
- High value facilities
- Keep people, animals and birds out of high security locations

HyperSpike® products are available from Nixalite® of America Inc

www.nixalite.com
P 800.624.1189
F 800.624.1196
E sales@nixalite.com
Acoustic Specifications:
- Sound Pressure Level, Peak\(^A\):
  151 dB @ 1 m (LL Peak Max)
- Usable Range\(^B\):
  Up to 1500 m (See graph)
- Beam Width:
  +/- 12° (24° conical @ 2 kHz -3 dB)
- Frequency Response:
  300 Hz - 8 kHz (See graph)

Physical Specifications
- Dimensions - Emitter Head:
  14.5” Diameter x 16.6” Depth
  (36.8 cm Diameter x 42.2 cm Depth)
- Cross-Sectional Area:
  165 in\(^2\)
- Weight - Emitter Head:
  37 lbs (16.8 kg)
- Housing Material:
  Carbon Fiber Reinforced

Power Requirements:
- Power Input:
  10-34 Vdc
- Power Consumption:
  315 W typical voice
  940 W peak (Alert Tone)

Environmental\(^C\):
- High/low Operating Temperature:
  MIL-STD-810G, Method 501.5 &
  502.5, +60°C, -20 °C
- Random Vibration:
  MIL-STD-810G, Method 514.6
- Shipboard Vibration:
  MIL-STD-167-1A
- Shipboard Shock:
  MIL-STD-910D, Class I
- Rain (Blowing):
  MIL-STD-810G, Method 506.5
- Operating Humidity:
  MIL-STD-810G, Method 507.5
- Salt Fog:
  MIL-STD-810F, Method 509.5
- Safety Standard:
  MIL-STD-1474D
- EMC Standard:
  FCC Part 15 class A Radiated and
  Conducted Emissions

Ordering Information
Model No.
- 90110A-1111-02 (Desert Tan)
- 90110A-1111-04 (Navy Gray)

Included with the HS-14
- (1) Record/Play Microphone
- (1) MP3 Player
- (1) Hearing Protection
- (1) HS Audio Optimizer Software
- (1) Saddle Bracket

Mission-Critical Accessories
- Tripod - p/n 92010A-801
- Remote Controller - p/n 72607A-801
- Ship Rail Clamp - p/n 92011A-6
  (Stainless Steel)

Ultra Electronics HyperSpike® products are available from:

Nixalite® of America Inc
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www.nixalite.com sales@nixalite.com
P 800.624.1189 F 309.755.0077