



ops-core

AMP™ COMMUNICATION HEADSET
PRODUCT OVERVIEW



ONE HEADSET, ANY MISSION.

ON THE GROUND.
IN THE FIELD. ON THE RANGE.

Whatever your goals or mission needs, protecting and enhancing your hearing is a crucial step. The Ops-Core Adaptive Mission Platform (AMP) Communication Headset is designed to meet any challenge – expected or unexpected. With its advanced technology and configurability, it's the most versatile headset for your needs. Our situational awareness products are proudly manufactured and assembled in Gentex's ISO 9001-certified US factory. The AMP Communication Headset meets MIL-STD-810 testing standards and is Berry Amendment compliant.

BUILT FROM THE BATTLEFIELD.

BREAKTHROUGH TECHNOLOGY

The AMP Communication Headset's user-driven design provides the highest levels of hearing protection and increased situational awareness, combined with maximum mission configurability. For over two decades, communications innovation was stagnant and did not keep up with the next generations of users, who are used to premium audio and electronics products in their daily lives. By working closely with end users and communications experts, the AMP headset was purpose built to meet and exceed mission requirements.

AMP OVERVIEW



WATCH THE VIDEO

CONFIGURED FOR ANY SITUATION

MILITARY

Military personnel need to maintain 360-degree situational awareness in dynamic sound environments. Whether loud impulse noise like gunfire or steady state noise like a loud vehicle platform, it's imperative to have the appropriate level of hearing protection. The AMP Communication Headset's eight scalable hearing levels allow the end user to tailor their level of situational awareness to mission needs, protecting from excessive noise levels with the option to enhance natural hearing up to +12dB.



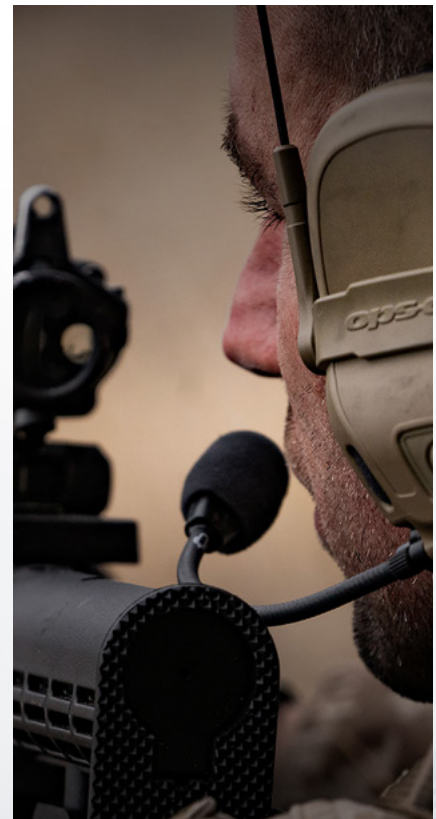
LAW ENFORCEMENT

From the most dangerous operations like building entry, room clearing and breaching, to training to be the best, elite law enforcement personnel need to maintain the clearest and most fail-safe levels of communication and hearing protection. With the AMP Communication Headset, end users have an integrated communications solution that they can rely on.



TRAINING

Indoors or outdoors, live fire and training exercises have excessive noise risk, a need for situational awareness, and reliable communications. From marksmanship training on the range to live fire training exercises, the AMP Communication Headset ensures that team members, instructors, and range safety personnel can clearly communicate with each other without losing situational awareness. With noise exposure of up to 168dB in indoor ranges*, the optional NFMI Earplugs provide additional protection they need.



*National Institute for Occupational Safety and Health, January 2010, Workplace Solutions

ONE HEADSET PLATFORM, ANY MISSION

Every aspect of the AMP Communication Headset is designed not just for superior situational awareness and hearing protection, but for maximum configurability. By working directly with end users, the AMP Communication Headset was built to meet and exceed mission needs.

ERGONOMIC HEADBAND

The AMP headband has VELCRO® Brand fastening loops to easily detach and reconfigure. Competitor headband removals are cumbersome, requiring tools and sometimes removing or cutting material.



EARSEAL

Ergonomically designed to fit head geometry, providing a better seal and increased noise attenuation.

NOISE-CANCELING BOOM MICROPHONE

Ambidextrous noise-cancelling microphone mitigates background noise enabling clear communication. The microphone can be easily mounted to the left or right earcup, or removed entirely, without tools.

BASIC OPERATIONS



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BATTERY

Included AAA lithium batteries provide 120 hours of 3D Hear-Through (3DHT) use.

Fail-safe communication provides confidence that in the event of battery loss, 3DHT will power off, but the headset and earplugs will still be able to transmit and receive communication.

MODE SWITCH BUTTON

**NFMI-enabled Version Only*

Toggle between NFMI Earplugs and standard headset use.

3D HEAR-THROUGH TECHNOLOGY (3DHT)

Restores and enhances "natural hearing" of outside environments for improved situational awareness.

QUICK-RELEASE DOWNLOAD CONNECTIONS

**Connected Version Only*

Disconnect headset from download(s) to allow for set up on left, right, or both sides. System can quickly configure between single, dual, or no download. Easy-to-use Push-to-Talk (PTT) connection permits secure, clear audio transmission in high noise environments*.

ACCESSORY PORT

Mask microphone compatibility via integrated microphone mounting and connection point enables easy integration with any U-173/U standard plug, commonly found on respirators, including the Ops-Core SOTR.

AMP Communication Headset Colors and Skins

AMP Communication Headset Skins can further enhance signature management. Like the headset, these are durable and minimize the optical signature in both the visible and Near-Infrared (NIR) spectra. Choose from a comprehensive suite of colors and optional MultiCam® Skin Sets: original MultiCam®, MultiCam®Tropic, MultiCam®Black, and MultiCam®Alpine.

Headset Color Offerings



Tan 499



Foliage Green



Black



Urban Gray

Headset Skins Color Offerings



MultiCam®



MultiCam®
Tropic



MultiCam®
Black



MultiCam®
Alpine



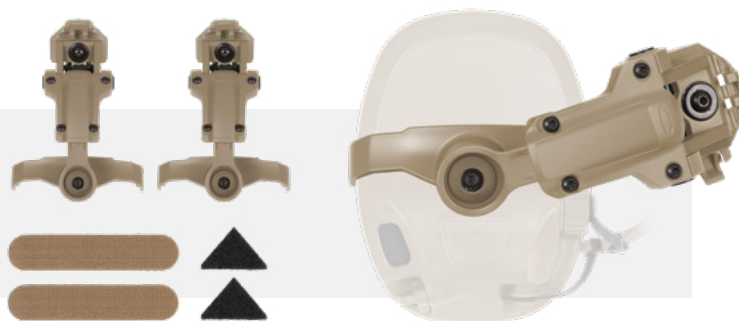


Mounting options for mission needs

The AMP Communication Headset easily converts from a headband to helmet mounted with the optional AMP Helmet Rail Mount Kit. Its design enables a superior earseal and greater helmet stabilization. Attaching directly to the Ops-Core ARC™ Rails, the mounting system allows a custom fit to suit each operator's specific needs.

AMP Helmet Rail Mount Kit (sold separately)

When a helmet mounted headset is preferred, this kit provides unrivaled performance. Designed specifically for use with Ops-Core ARC Rails by the same company that pioneered them and revolutionized the helmet industry.



Innovative system versatility

The AMP Communication Headset is designed to integrate with Ops-Core ARC Rails to ensure that all end user needs are met. Location, placement, and adjustment options create an easy, streamlined experience and superior fit.

OPEN REAL ESTATE

The way the AMP Communication Headset mounts to the ARC rail system allows for additional accessories to be added to the helmet rail.

FAST ARC ATTACHMENT

Rail arms can be mounted to the rear of the rail system, leaving the top portion of the rails free for other accessories, while increasing helmet stabilization and counter balancing night vision devices.

ARM ARTICULATION ADJUSTMENT

Allows the earcups to be set in several different positions, including an engaged, on ear position while in use, a vent position on the helmet rim, and stowed.

GIMBAL ATTACHMENT

A single point gimbal attachment to the earcups allows for 360° adjustment, enabling better fitment and a superior earseal, maintained throughout the range of motion of the user's head.



CABLE MANAGEMENT

The integrated cable management clip on the rail arms, combined with included hook and loop fasteners, provides streamlined cable management.



STOWAGE

Earcups rotate to the side or rear of helmet when not in use, creating low profile stowage.

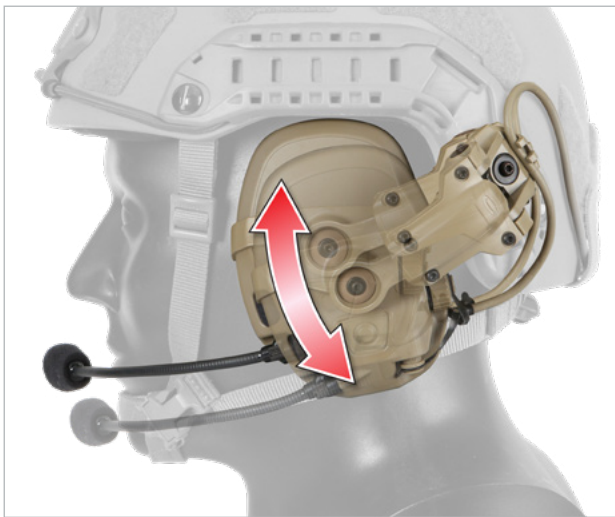
MOUNTING OPTIONS



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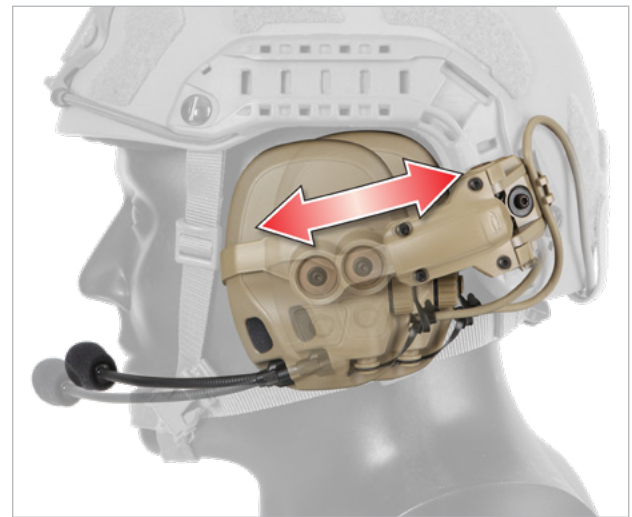
The perfect fit

Features of the AMP Communication Headset include rotation capabilities, telescopic extender, and gimbal attachment. These allow the user to adjust for a perfect fit, ensuring no loss of hearing protection.



RAIL ARM PIVOT

The rail arm pivot allows for height adjustment of the earcup over the users ear, and also facilitates stowed positions.



TELESCOPIC ARM

The rail arm can be extended or retracted to enable precise positioning of the earcup.



GIMBAL ATTACHMENT

Allows for 360° adjustment and enables earseal to be maintained with dynamic movement.



VENTED POSITION

Earcups rested on the edge of the helmet allow the user to vent their ears while still hearing communications.



STAY CONNECTED

The AMP Communication Headset can be connected to communications systems via a fixed download or connectorized cable. With two options, end users can choose the option best suited to their mission needs.

AMP Cables / Downloads

The AMP Communication Headsets are available in both fixed download and connectorized variants.

- Connectorized variants allows flexibility of being able to swap your download cable type and earcup connection
- Fixed download variants feature a download cable that is permanently attached to the left earcup
- Connectorized downloads cables available in Tan and Black



PTT Connection Points



U174



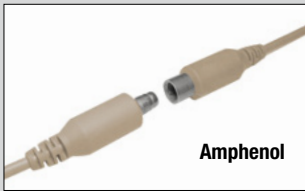
Amphenol



Invisio



PTT U94



Amphenol



Invisio



DOWNLOAD CABLE
& PTT OPTIONS

Push-To-Talks (PTTs)

Used to connect the AMP Communication Headset to various radios.

- Rugged over-molded construction
- Feature a reversible alligator clip
- Recessed activator prevents accidental keying, while still accommodating gloved hand use
- Available with fixed download radio connections or modular, which allows for interchangeable radio downloads
- Available with Amphenol input connectors or U94 (for use with U174 downloads)

Standard PTT Cables

Standard PTT cables, used to connect the AMP Communication Headset to radios/intercom systems, feature a permanently attached radio connector.

SINGLE PTT CABLE & DUAL PTT CABLE

Available in Single or Dual PTT configuration.



Single PTT Cable



Dual PTT Cable



HOW TO CONNECT
SINGLE & DUAL
DOWNLOAD

Color Options

AMP cables, PTTs, and radio cables are available in Tan and Black



Tan



Black

Push-To-Talks (PTTs)

Modular PTT Cables

These PTT cables allow flexibility to connect the AMP Communication Headset to various types of radios. Radio adapter cables are needed to match to radios.

SINGLE MODULAR PTT CABLE

Connects the AMP Communication Headset to a single radio.



Single Modular PTT w/ Amphenol input

DUAL MODULAR PTT CABLE

Connects the AMP Communication Headset to two radios.



Dual Modular PTT w/ Amphenol input

Radio Adapter Cables

Used to connect the PTTs to various radios. These radio adapter cables are used with the Modular PTT cables to complete the connectivity to your radio.

PRC RADIO ADAPTER CORD

For PRC Radios: AN/PRC-117F, AN/PRC-148, AN/PRC-152, and equivalent radios.



MOTOROLA APX SERIES RADIO ADAPTER CORD

For Motorola APX Series Radios.



MOTOROLA HT750 SERIES RADIO ADAPTER CORD

For Motorola HT750 Series Radios.



MOTOROLA XTS-3000 SERIES RADIO ADAPTER CORD

For Motorola XTS-3000 Series Radios.



Microphone Connector Cable

MASK MICROPHONE CONNECTION CABLE

Connects a mask microphone to the AMP Communication Headset.



PTTs and cables are available for a variety of radios and intercom systems, not limited to those shown here. Please contact an Ops-Core sales representative at sales@ops-core.com or 888.894.1756 to discuss your needs.

Connectivity Options

The AMP Communication Headset is available in fixed download and connectorized. Each provides different connectivity options to radios and communications equipment.

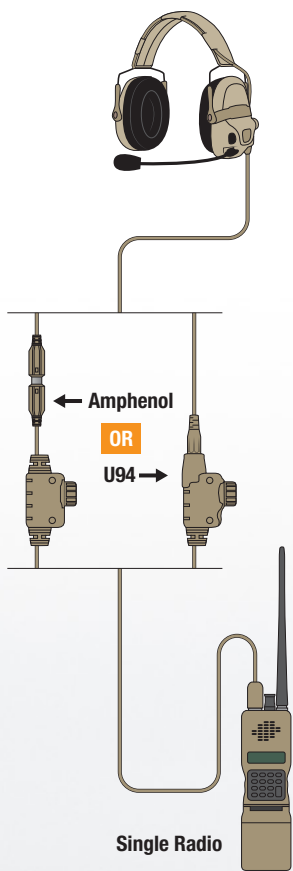
AMP Communication Headset

FIXED DOWNLOAD

The AMP Communication headset with fixed download is available with either an Amphenol or U174 connector.

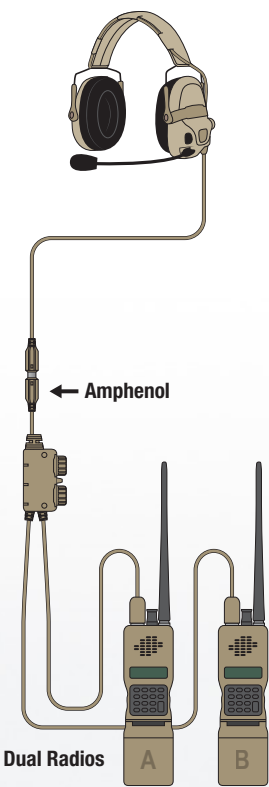


Image shown with U174 cable connector



Fixed Download Cabling Example 1

In this example, the end user is running a fixed download headset and a single channel PTT, which is connected to one radio.



Fixed Download Cabling Example 2

In this example, the end user is running a fixed download (Amphenol connector) headset and a dual channel PTT, which is connected to two radios.

HOW TO USE DUAL PTT CABLE OPTIONS



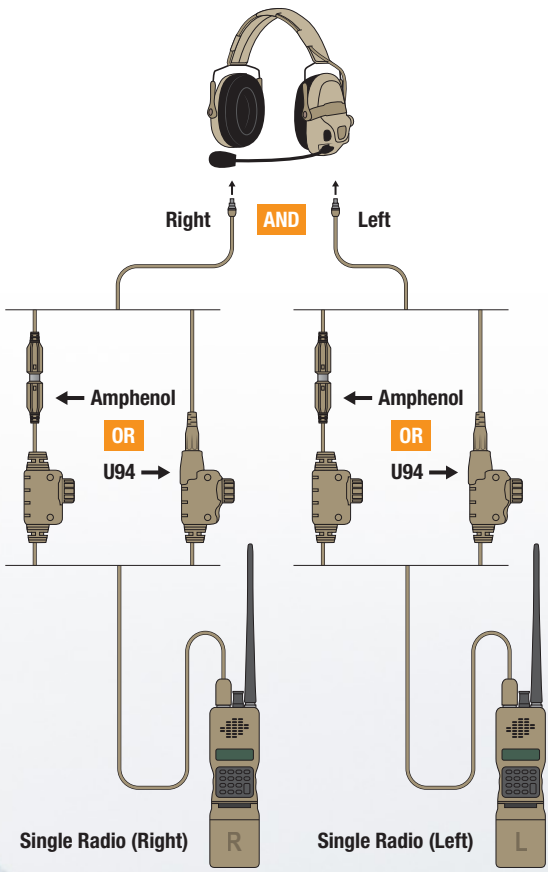
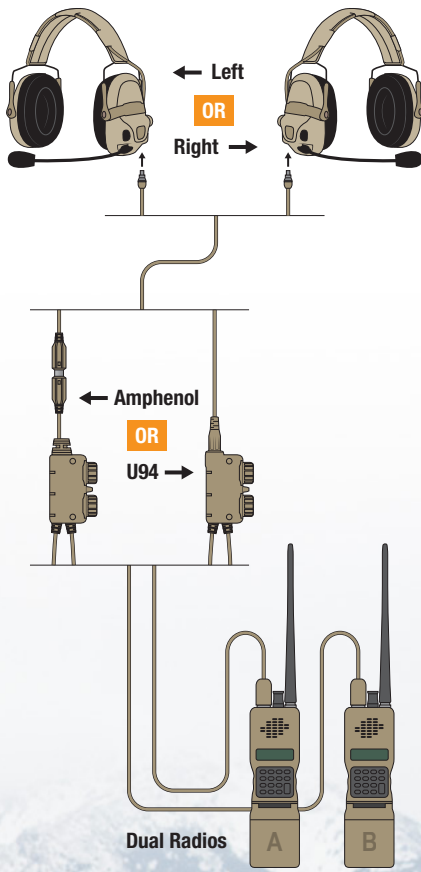
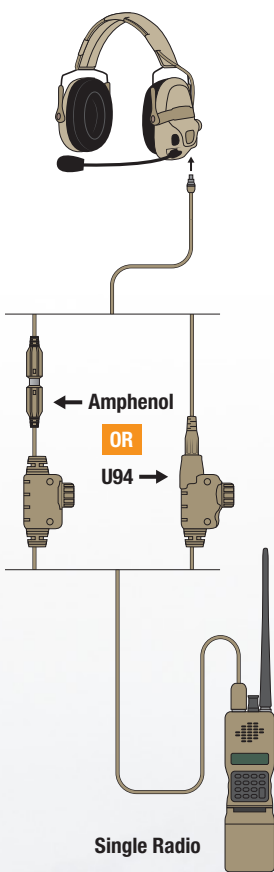
WATCH THE VIDEO

AMP Communication Headset

CONNECTORIZED

The connectorized AMP Communication headset can run dual, single, or multi-channel PTTs using the Fischer connectors on either earcup.

- Removable connectorized downloads with different connector options are sold separately
- Provides high quality, environmentally sealed connections



Connectorized Cabling Example 1

In this example, the end user is running one connectorized download and a single channel PTT, which is connected to one radio.

Connectorized Cabling Example 2

In this example, the end user is running one connectorized download and a dual channel PTT, which is connected to two radios.

Connectorized Cabling Example 3

In this example, the end user is running dual connectorized downloads and dual single channel PTTs, each connecting to separate radios.

CONFIDENCE, PROTECTION, INTEGRATION.

ADDITIONAL HEARING PROTECTION, WHEN YOU NEED IT.

The optional Ops-Core® Near Field Magnetic Induction (NFMI) Earplugs provide increased noise reduction while maintaining clear communications and hear-through audio, when used in conjunction with the AMP Communication Headset. Alone, they provide up to 30dB NRR (38db SNR) of hearing protection and combined with the AMP Communication Headset, up to 34dB NRR (41dB SNR).

HOW TO USE
NFMI EARPLUGS



WATCH THE VIDEO

NFMI EARPLUGS (sold separately)

The addition of optional wireless NFMI Earplugs provide increased noise reduction, while maintaining clear communications and hear-through audio. These do not need batteries, recharging, or any wired connection. When engaged, the NFMI Earplug will seamlessly integrate, providing unrivaled hearing protection capability.

- Do not need batteries, recharging, or any wired connection
- The kit ships with standard, slim, and large Comply™ foam tips to accommodate a wide variety of users

NOTE: Compatible with NFMI-enabled headsets only

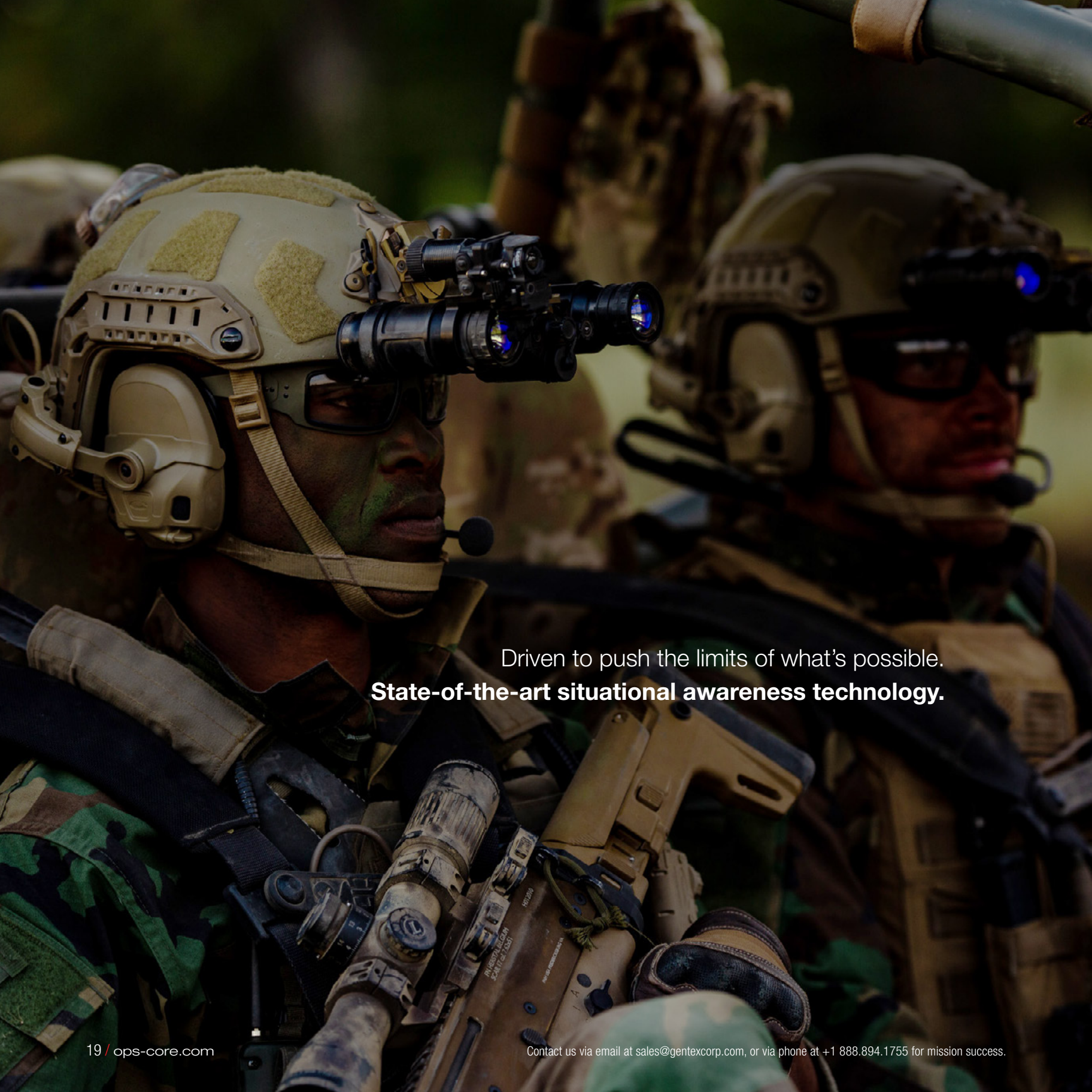


Noise Protection Ratings	
 Protection Using Headset Only	NRR 22 dB
	SNR 27 dB H 31 dB M 23 dB L 19 dB

Noise Protection Ratings	
 With Headset and Optional NFMI Earplugs	NRR 34 dB
	SNR 41 dB H 41 dB M 39 dB L 34 dB





A close-up, low-angle shot of two soldiers in full tactical gear. The soldier in the foreground is wearing a tan helmet with multiple night vision devices mounted on it. He is looking forward with a focused expression. The soldier in the background is also in similar gear, including a helmet and night vision, and is holding a rifle. The scene is set outdoors at night, with some foliage visible in the background.

Driven to push the limits of what's possible.
State-of-the-art situational awareness technology.

Ops-Core creates mission-configurable products, working directly with end users to understand and meet their performance needs. User-driven designs provide full situational awareness, ensuring tactical superiority in high threat environments.



Enhance your ability to survey the battlefield with our STEP-IN Visor eye protection. Breathe through harsh environments with our SOTR Respirator. Protect your face with the FAST Ballistic Mandible.

gentexcorp.com/ops-core



GENTEX
CORPORATION

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