

INVISIO® M4h

The customised in-ear tactical headset providing certified hearing protection

FEATURES

- SNR 29 and NRR 25 Hearing Protection
- Custom Made polymer ear molds for use in extreme environments.
- Vibration sensing Bone Conduction Microphone for clear speech and total elimination of ambient noise
- High performance balanced armature loudspeaker with low distortion
- Personalized fit giving a ultra light and small form factor
- Kevlar® reinforced silver plated alloy cable with Teflon® insulation and a pull strength of over 20kg
- Ergonomic Cable Retainer - securing cable behind the ear
- Available in desert tan and left or right versions



Patent pending INVISIO CustomProtect™ hearing protection - SNR 29

User customised headset ear molds for unparalleled level of comfort and secure fit

Low profile and compatible with helmets, gas masks or circumaural headsets

Crystal clear communication even in extremely noisy conditions

INVISIO® M4h utilizes the patented Bone Conduction Microphone. It has no external microphone and captures vibrations in the user's jawbone converting them to crisp and clear sound. No external ambient noise around the user is picked up. As a result, the headset can be used in extreme situations with no interference commonly found when communicating in these environments.

INVISIO® M4h offers unsurpassed performance, comfort and fit for professional users. INVISIO® M4h is the ultimate headset for fit and comfort. Made to fit the ear of the individual user and manufactured from an actual impression of the user's ear. The customized ergonomic design increases comfort and the duration of time the headset can be used for. This allows compatibility with helmets, eyewear, gas masks or circumaural headsets. INVISIO® M4h is the ultimate tactical headset.

Technical Specifications

Headset

Colours	Desert Tan
Configurations	Left or Right
Weight	Custom
Dimensions	Custom
Wearing Style	In-ear Custom Mold

Power Supply

Operating Voltage	1.5 – 10.0V (DC)
Current Consump.	1mA min.

Receiver

Type	Balanced Armature Receiver
Maximum Peak Output	118dB
Nominal Impedance	450Ω (@ 1kHz)
DC Resistance	DC Blocked
Sensitivity	25dB (re. 1 Pa/V @ 1kHz)
Frequency Range	200 - 6kHz
THD	less than 1%

Hearing Protection

SNR 29 (EN352-2:2002)

NRR 25 (ANSI S3.19-1974)

Test results (ANSI S3.19-1974):

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average Attenuation (dB)	28.2	27.4	30.9	32.6	36.8	39.5	38.9

About INVISIO®

For over a decade INVISIO® has developed high performance, tactical headsets for Special Forces, SWAT Teams, Law Enforcement and Fire & Rescue teams across the globe to meet their needs in extreme environments. INVISIO® offers an extensive range of tactical headsets and Push-To-Talk (PTT) solutions to equip the professional communication user.

INVISIO headsets utilize the patented Bone Conduction Technology™ which offers unsurpassed communication in all environments. Because of the unique voice transfer system, ambient sounds that can interfere during a conversation are eliminated. Wind, military vehicles, even gun fire is not transmitted - only your voice.

Cable

Colours	Desert Tan
Lengths	910 mm and 1200 mm (with coil)
Coil	20 mm coil that extends to 220 mm
Pull Strength	20 kg
Connector	per request

Environmental

IP Rating	IP 67
Operating Temperature	-30°C to +55°C
Storage Temperature	-40°C to +63°C

Communication Microphone

Type	Vibration Sensitive Transducer
Nom. Output Impedance	200Ω (@ 1kHz with 5V)
Sensitivity	-32dB (re. 1 V/(m/s ²) @ 1kHz)
Equivalent Noise Level	-105dBA (re. 1V)
Frequency Response	200 - 6kHz

INVISIO CustomProtect™

The INVISIO M4h utilizes INVISIO CustomProtect™ - the INVISIO patent pending hearing protection system for custom made headsets. Each headset is made from a digitally scanned individual mold of the user's ear with the hearing protection incorporated to create a perfect seal within the ear. Manufactured from high density material and perfectly sealed – INVISIO CustomProtect™ is the unbeatable custom made headset hearing protector.