NEW!

INVISIO® V30 System

COMPLETE IN-EAR HEADSET SYSTEM

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ELIT-V30-REV1013

INVISIO® V30 System

ADVANCING SOLDIER PROTECTION AND COMMUNICATION

The INVISIO® V30 was developed to provide a simple all -in-one headset system that is extremely easy and intuitive to operate as well as provide soldiers the highest level or hearing protection and communication clarity on the battlefield.

Intelligent Hearing Protection and Awareness

For soldiers, the ability to communicate clearly in high noise environments, while protecting their hearing and still retaining situational awareness, is a crucial tactical advantage and also life saving. The INVISIO® V30 utilizes the INVISIO® X5 dual in-ear headset, which provides certified hearing protection against damaging noises such as gunfire, explosions and vehicles/aircraft as well as electronically enhanced and amplifiable situational awareness.

Patented INVISIO® Speech Technology

Clear communication in the heat of battle can mean the difference between life and death. The INVISIO® X5 headset features the patented and proven bone conduction microphone. Speech is captured in the ear via vibrations from the user's jawbone. These vibrations are converted into sound, delivering crystal clear communication under extreme and noisy conditions, even when whispering or worn under a gas mask.

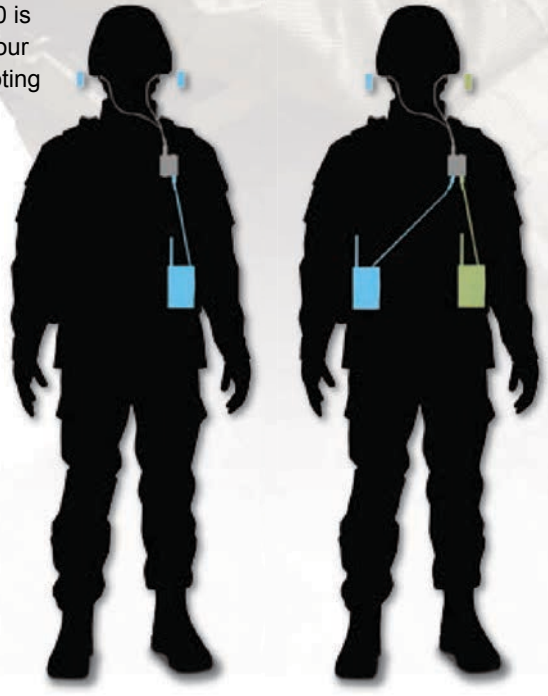
Patented INVISIO® In-Ear Fit Technology

Soldier safety and efficiency is severely reduced by inadequate fit and uncomfortable equipment. INVISIO® headsets offer unsurpassed performance, comfort and fit for combat applications. The patented Soft Spring™ in-ear headset retention system adapts perfectly to the contours of the ear, providing maximum earpiece security and a comfortable fit for long durations of use.

Reducing the burden on the soldier...

The modern soldier is faced with significant burdens both physically and mentally. The INVISIO® V30 is a true plug and go system. Simply connect to your radio and the system is active, no additional booting or calibration is needed!

SINGLE OR DUAL RADIO CONFIGURATIONS



Single Radio User

The INVISIO® V30 single radio configuration is for soldiers who only need to connect to a single 2-way or dual-net radio. When connected to a standard 2-way radio, audio is heard in both ears (stereo). When using a dual-net radio audio is split ear with Net 1 in the left ear and Net 2 in the right ear.

Dual Radio User

The INVISIO® V30 dual radio/com configuration is for soldiers who need to connect to 2 radios or devices at the same time. Like the single radio version, the primary radio cable is hard wired but the dual version has an additional modular input for connection to a secondary radio/device/intercom system. Audio is split ear with the primary radio heard in the left ear and the secondary radio or device heard in the right ear.

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INVISIO® V30 System

V30 AT A GLANCE

Cable Retainer
Secures the Kevlar reinforced cable comfortably behind the ear.

Soft Spring™
Provides the most secure in-ear headset fit.

Hear-Thru Microphone
Paired microphones for natural situational awareness and impulse noise protection.

Hearing Protection Foam Tip
Body heat activated foam expands to provide maximum protection and available in multiple sizes.

INVISIO® Bone Conduction Microphone
Patented vibration sensing Bone Conduction Microphone provides clear speech in high noise and the ability to be heard even at a whisper.

Speaker
High performance balanced armature loudspeaker with low distortion for ultimate clarity.

INVISIO® X5

INVISIO® V30

PTT 1
(or Net 1)

Hear-Thru
Control

PTT 2
(or Net 2)

COM 2
Input Port
(optional)

COM 1
Radio Cable
(hardwired)

Optional

INVISIO® M80

COM 1 PTT

COM 2 PTT

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TECHNICAL SPECIFICATIONS

V30 Control Unit	
Color	Black
Material	Plastic with soft overlay
Weight	145 grams (incl. caps and clip)
Dimensions	70 x 63 x 25 mm (excl. connectors)

X5 Headset	
Color	Black
Material	Plastic with foam tips
Weight	30 grams (incl. cable and connector)
Dimensions	13 x 11 x 24 mm

V30 Power Supply	
Power Supply	From primary radio
Operating Voltage	3.6 to 36 Volts
Internal Battery	None

X5 Headset Cable	
Length	1150 mm
Pull Strength	Kevlar reinforced with 20 kg pull
Connector	Hard wired with strain relief

Environmental			
Ingress Protection	IP68 (20 m for 2 hrs) MIL-STD-810G	**Humidity**	MIL-STD-810G
Operating Temperature	-31 to +63°C (MIL-STD-810G)	**Mechanical Drop**	MIL-STD-810G
Storage Temperature	-31 to +71°C (MIL-STD-810G)	**EMI**	MIL-STD-461F

X5 Test Results (EN 352-2:2002)

L=27 dB, M=29 dB, H=34 dB & SNR=32 dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	30	30	32	33	34.7	36.2	40.8	44.7
Mean Attenuation dB	5.4	7.3	6.1	6.6	5.9	3.5	3.6	5.4
Assumed Protection in dB (APV)	24	23	26	26	28.8	32.7	37.2	39.3

X5 Test results (ANSI S12.6-1997)

NRR 29 (ANSI S3.19-1974)

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average Attenuation (dB)	32.1	34.2	35.9	36.7	38.7	43.5	45.9

These results were obtained and certified at a certified test institute ref. ANSI S3.19-1974.
This is in compliance with MIL-STD-1474D Appendix B Hearing Protector Noise Attenuation.

CE Personal Protection Equipment.

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