



Armored Communication Helmet

Designing of this armored communication helmet causes to reject maximum environmental noise. For this purpose, ABS cap and leather sheath cover the ear. In addition to receive clear voice and understand the message properly, its level is so that it does not annoy ears of the operator. Used microphone is a throat microphone for converting vibration of the operator's larynx to electrical signal and transmitting it via radio or intercommunication system. There are some felt shock absorber (completely woolen and eco-friendly) inside the helmet to protect the operator's head. Tailoring of this helmet, bands, and the area around ears are made of natural materials. Easy wearing/operation, proper environmental noise rejection passively, clear message sending in noisy environments, adjusting size of the helmet proportionate to the operator's head, summer/winter type designing according to the user's requirement, and available three sizes of medium, large, and X-large are general capabilities of this helmet.

Throat Microphone Specifications

Impedance.....	20Ω ± 10%
Frequency response.....	600 ~ 3000 Hz
Case material.....	ABS

Earphone Specifications

Impedance.....	40Ω ± 10%/1000Ω ± 20%
Frequency range.....	20 ~ 3000 Hz
Sound pressure level.....	105dBSPL @ 1KHz
Distortion.....	less than 5%

Mechanical Specifications

Weight of the helmet.....	about 1kg
Helmet size.....	three sizes of 55, 60, 65
Color.....	opaque black
Resisted against.....	shock and tension
Material.....	felt shock absorber, linen, and natural leather

Environmental Specifications

Operating temperature.....	-33°C ~ +65°C
Humidity resistance.....	95%
Drop resistance.....	12 times from 180cm height on concrete surface