

Innovative Ideas

Naqi Neural Earbuds- An Upcoming Product

The Naqi Neural Earbuds, ready for manufacturing partners, allow users to command, control, and navigate computers, digital devices, smart home devices, robots, and wheelchairs without voice, touch, screens, or cameras. They can control almost anything digital.

The neural earbuds create a new silent and invisible input methodology for elderly and disabled people. They are a safe, non-invasive alternative to brain implants.

Our **hands-free, voice-free, and screen-free** Human-Machine Interface represents a major paradigm shift, offering a powerful new command and control capability that no other earbud or wearable offers. NAQI provides users with the power to control their PCs, Macs, and mobile devices in a manner that rivals brain implants for those who can move above the neck. A product design to be followed!

<https://www.naqilogix.com/>

BrainPort Vision Pro

The new BrainPort Vision Pro is a 2nd generation oral electronic vision aid that provides electro-tactile stimulation to aid profoundly blind patients in orientation, mobility, and object recognition as an adjunctive device to other assistive methods such as the white cane or a guide dog.

BrainPort Vision Pro translates digital information from a wearable video camera into gentle electrical stimulation patterns on the surface of the tongue. Users feel moving bubble-like patterns on their tongue which they learn to interpret as the shape, size, location and motion of objects in their environment. Some users have described it as being able to “see with your tongue”

The BrainPort Vision Pro vision aid is a headset that contains a small video camera, user controls, a rechargeable battery, and a tongue array. The headset is fully adjustable and available in 3 different sizes to accommodate most users.

The camera works in a variety of lighting conditions and has an adjustable field of view. The tongue array contains 394 electrodes and is connected to the headset via a flexible cable so it can't be dropped and lost. When in use, white pixels from the camera are felt on the tongue as strong stimulation, black pixels as no stimulation, and gray levels as medium levels of stimulation.

<https://www.wicab.com/brainport-vision-pro>

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