

VIDBeam - At A Glance

Polyphony is based on the principle of parametric array, modulates the audio signal to the ultrasonic signal, and self-demodulates through the unique non-linear function of the ultrasonic wave to generate a new generation of loudspeaker with high directivity and audible sound, which realizes the propagation of sound waves in the air. Spatial distribution control and sound source position control.

What Is Directional Sound?

A professional sound that allows sound to propagate in a fixed direction, also called super-point sound, super-pointing speaker, is a brand-new sound transmission form achieved through leading acoustic technology, which is widely used in many fields. More than ten independent patents have achieved a breakthrough in the technology of "making sounds, like direct light from flashlights, direct transmission". Ingeniously controlling the direction and spread of sound transmission, creating a new and unique audio experience for users.

Why Can Directional Sounds Concentrate In One Direction?

According to the theory of acoustics, the frequency range of the human ear can be heard is 20HZ-20KHz. In the propagation process, the audible sound spreads in all directions, and the high-frequency sound waves with a frequency greater than 20KHz have good directivity in the transmission process. The higher the directivity is, that is, the ultrasonic wave (frequency band 20KHz-1GHz) has directional propagation characteristics.

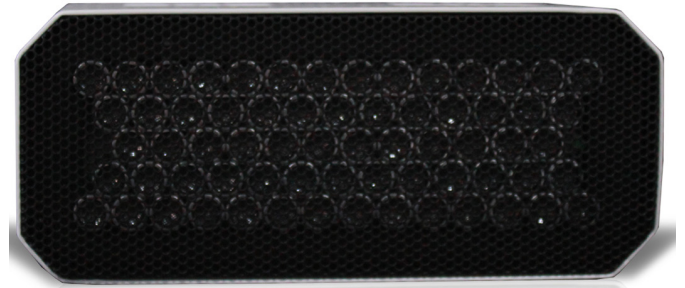
What is the use of directional sound?

There are many scenes using directional audio. Currently, there are dozens of industries in LCD/LED media advertising, exhibition hall exhibitions, large-scale exhibitions, automobiles, education, and intelligent transportation. The following are some examples of scenarios:

Hospitals
Banks
Hotels
Casinos
Smart homes
Museums
Education

Specifications

- Directivity: $-10\text{dB} < 15^\circ$
- Input Impedance: $10\text{K}\Omega$
- SPL: $70\text{dB}@2\text{m}, 1\text{KHz}$
- Input: Analog Audio with TRS 3.5mm interface
- Power Consumption: 8W
- Power Input: 5VDC/3A
- Dimensions: 170mm x 70mm x 40mm
 $6\frac{3}{4}''\text{W} \times 2\frac{3}{4}'' \times 1\frac{1}{2}''\text{D}$
- Weight: 650g / 1.43Lbs



- Working Temperature: $-15^\circ\text{C} \sim 45^\circ\text{C} / 59^\circ\text{F} \sim 113^\circ\text{F}$
- Humidity: 0 ~ 90%, non-condensing
- Warranty: 1 Year

In The Box

- 1 VIDBeam
- Mini Tri-Pod
- 5VDC/3Amp Power Supply
- Owners manual and installation instructions



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