

K-array's New Solution Leverages Its Line Array Expertise

K-array's new, incredibly thin microphone has all the advantages of its line array speakers. The Capture-KMC20, composed of 8 x 4mm cardioid capsules aligned in a line array configuration, is the smallest line array microphone in the market featuring Pure Array Technology (PAT)

Given its line array characteristics, the Capture shows a minimal variation of gain with distance. As a result, the distance between the orator and the microphone is not crucial and he is able to move towards or away from the mic freely without strongly affecting the volume or audio quality.

The polar response is cardioid in the horizontal plane, and very narrow in the vertical plane, therefore, when mounted in vertical, not only does the mic not pick up sound from behind, but it's also insensitive to sounds that come from above and below, strongly reducing the amount of ambient sound captured. Being very wide in the horizontal plane, a single microphone can pick up more people and gives maximum freedom of movement to the right and left without volume fluctuations.

While when mounted in horizontal, the capture is very wide on the vertical plane and very narrow on the horizontal plane, resulting in capturing only the person in front of the microphone while standing or sitting.

The microphone's impressively slender frame is shaped from a 6x6 mm solid square brass bar using a milling cutter with bits less than 2 mm in radius. It's meticulously pieced together welding 2 mm- and 4 mm- tall capsules to a 0.6 mm-thick electronic board then two 0.3 mm-thick stainless steel grills are micro-stretched over the frame. The frame is secured in place by two plates screwed one on top of the other. Finally, all the components are sandblasted to obtain a homogeneous opaque finish and embellished with an ultra-black ruthenium galvanic bath.

And given its thickness of 6mm, these incredibly thin microphones are impressively discreet for a variety of applications in conference halls, board rooms, houses of worship and TV studios.

.....
K-array is a renowned manufacturer of innovative pro audio solutions with global headquarters in Florence, Italy. Founded in 1990, the company concentrates its efforts and resources in the revolutionary design and manufacture of highly-efficient audio systems that produce unparalleled performance.

With an extensive portfolio of product lines providing ultra-compact speaker solutions for medium to large-scale applications, including touring, events, installed sound, and broadcast, K-array is designing unique audio solutions never dreamed of before.

www.k-array.com

Margaux Asteghene
Advertising & PR Coordinator
Phone: +39.055.8487222
Email: margaux@k-array.com