



DESCRIPTION

Ever since K-array launched its first slim column speaker in 2007, it has maintained its position of leader of sleek line arrays. With every subsequent product release, the company has perfected its line arrays composed of closely-spaced, full-range sound sources by incorporating its Pure Array Technology.

This same line array technology is now being applied to the latest addition to the K-array portfolio in a form other than a speaker. The Capture-KMC20 is the smallest line array microphone in the market featuring PAT technology composed of 8 x 4mm cardioid capsules aligned in a line array configuration.

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 plan, 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 and made with durable premium materials like brass to be used for a variety of applications in conference halls, boardrooms, houses of worship and TV studios.

AVAILABLE ACCESSORIES

VERTICAL BASE

HORIZONTAL BASE

WINDSCREEN

MICROPHONE STAND

POP FILTER

FEATURES

- Line array characteristics
- PAT technology
- Wide horizontal cardioid polar pattern
- Narrow vertical polar pattern
- Ultra-black Ruthenium-plated brass
- Horizontal and vertical setup
- Mounting accessories
- Discreet, invisible

SUGGESTED APPLICATIONS

CONFERENCES

BOARDROOMS

HOUSES OF WORSHIP

BROADCAST & STUDIOS

EDUCATION & GOVERNMENT FACILITIES

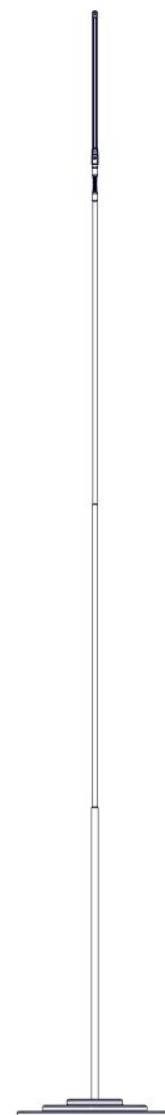
Transducer Type	8 x 4mm electret condenser
Frequency Response	80 - 15000 Hz
Polar pattern	Cardioid array
Max Input Sound Level	(@ 1kHz-1Pa THD<10%): 105dB _{SPL}
Sensitivity	(@ 1kHz): -37dBV ±4dB
Signal to Noise Ratio	(@ 1kHz-1Pa A-weighted curved): 55dB
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3 ¹
Current consumption	7mA
Connector	Three-pin professional audio (XLR), male
Case	Ultra-black Ruthenium-plated brass
Phantom Supply Voltage	36 to 52 Vdc, (+) pins 2 and 3 ¹
Dimensions	6 x 6 x 226 mm (0,24 x 0,24 x 8,90 inch)
Weight	0,032 kg (0,07 lb)
Notes for data	
1. Referred to the XLR connector of the included preamplifier	
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.	



Capture-KMC20 with vertical base



Capture-KMC20 with horizontal base



Capture-KMC20 on mic stand