



Capture

Incredibly thin line array microphones
with Pure Array Technology

K-ARRAY
Unique Audio Solutions

Capture

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 has been applied to the Capture line of microphones.

The Capture-KMC20 is the smallest line array microphone in the market featuring PAT technology composed of 8 x 4 mm cardioid capsules aligned in a line array configuration and the Capture-KMC50 is the natural evolution of our Capture line, featuring 16 x 6 mm electret condenser cardioid capsules in an slender 50-cm line array configuration.

The incredibly thin Capture microphones have all the advantages of a K-array line array.



Capture-KMC20

Line array microphone with Pure Array Technology



The innovative form factor of the Capture-KMC20 reevaluates the positioning of the microphone in production environments. No more awkward mic masking or shadowing on the performer, but rather a thin and elegant solution capable of unprecedented performance.

Dedicated accessories, like an adjustable carbon-fiber microphone stand and 3 mm gel pads, make it easy to arrange the microphone to suit users' needs while still maintaining a clean and sleek stage configuration.



Capture-KMC20V

Line array microphone with Pure Array Technology
in vertical setup



The Capture-KMC20V features a brass base shaped from a solid block using a lathe and a milling cutter and sandblasted with a galvanic ruthenium finish that permits the user to tilt the microphone in a vertical orientation truncated at 28°.

The possible inclinations with respect to the base surface range from 90 ° to 145°. A 4.75 mm-thick HT800 silicone anti-vibration pad is fastened under the base to guarantee the lowest transmission of noise from the surface to the microphone array.



Capture-KMC20H

Line array microphone with Pure Array Technology
in horizontal setup



The Capture-KMC20H was designed to be used parallel to the supporting surface featuring a solid brass base truncated at 60° to hold the microphone horizontally. An intricate lock tightens the connector and microphone into place once oriented in a desired position.

A 4.75 mm-thick HT800 silicone anti-vibration pad is fastened under the base to guarantee the lowest transmission of noise from the surface to the microphone array.



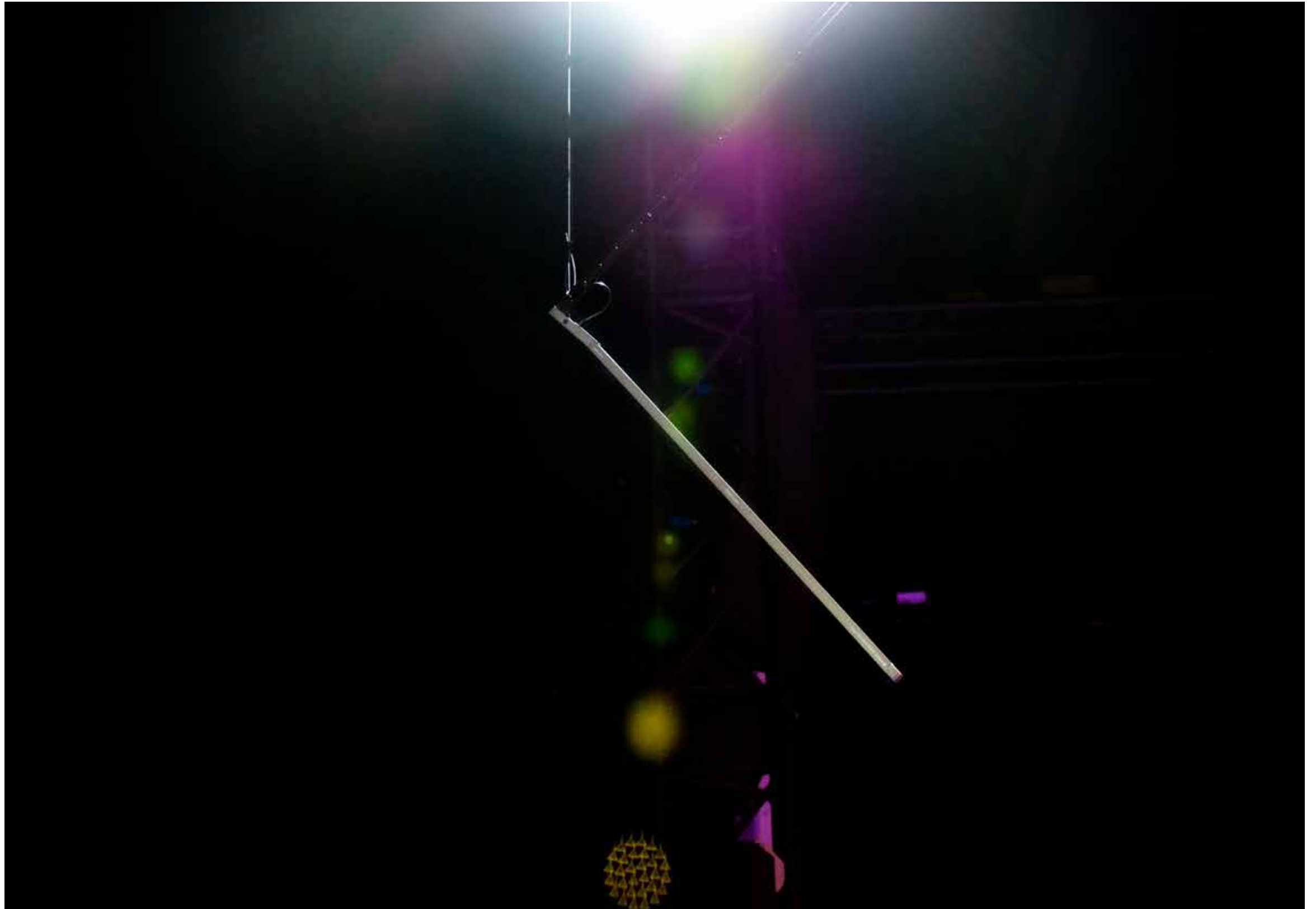
Capture-KMC50

Incredibly thin 50-cm-line array microphone
with Pure Array Technology



The Capture-KMC50 is the natural evolution of our Capture line array microphones. Composed of 16 x 6 mm electret condenser cardioid capsules aligned in a line array configuration, the Capture-KMC50 has been designed for voice and instrument amplification as well as for capturing environmental sound with the precision of a perfect directive microphone.

Achieving higher directivity with the Capture-KMC50 by linking up to 4 units to create an impressive continuous steerable array allows users to explore new microphone techniques and applications.



Capture-KMC50

The microphone eases the sound engineer's job thanks to its high immunity to feedback as a result of the line array capsule arrangement that concentrates the input sensitivity towards the front.

-  Theaters
-  Houses of Worship



Designed for the highest linearity and natural sound, the 16 x 6 mm electret condenser cardioid capsules pick up any sound field nuance with accuracy and detail.

-  Auditoriums and Concert Halls
-  Concerts and Live Events



The microphone's characteristic pickup pattern offers the speaker high freedom of movement thanks to the depths of its capturing capabilities in the distance even in noisy conditions.

- Boardrooms & Conference Rooms 
- Broadcast & Studios 



With the greatest sensitivity at the front with an unparalleled directivity in the vertical plane, the Campture-KMC50 is perfect for field recording.

- Stadiums and Sport Venues 



Due to its line array characteristics, PAT line array microphones show 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.

HORIZONTAL SETUP



Minimal variation of gain with distance



Narrow vertical polar response



Wide horizontal polar response

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.

VERTICAL SETUP



Minimal variation of gain with distance



Wide vertical polar response



Narrow horizontal polar response



Capture-KMC20V / KMC20H / KMC20

General	
Transducers Type	8 x 4 mm electret condenser
Frequency Response (1)	65 – 15000 Hz (-6 dB)
Polar Pattern	Cardioid array
Sensitivity	-37 dBV (Re 94dB SPL)
Max Input SPL	100 dB
Phantom Supply Voltage	36 to 52 Vdc, (+) pins 2 and 3
Handling & Finishes	
Dimension (WxHxD)	6 x 200* x 6 mm (0.24" x 7.90" x 0.24")
Weight	0.032 kg (0.070 lb)
Finishes	Ruthenium Plated Brass

* Net length of the microphone bar, base excluded.

ACCESSORIES

- Brass bass for vertical mounting for Capture-KMC20V
- Brass base for horizontal mounting for Capture-KMC20H
- Faux fur shield to reduce wind noise
- Foam pop noise protection filter
- Extendable carbon fiber microphone stand
- Base for extendable carbon fiber mic stand

APPLICATIONS

-  Boardrooms & Conference Rooms
-  Broadcast & Studios
-  Auditoriums and Concert Halls
-  Houses of Worship

Notes for data:
(1) With dedicated preset.
New materials and designs are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalog.



Capture-KMC50

General	
Transducers Type	16 x 6 mm electret condenser
Frequency Response (1)	55 – 20000 Hz (-6 dB)
Polar Pattern	Cardioid array
Sensitivity	-39 dBV (Re 94 dB SPL)
Max Input SPL	110 dB
Phantom Supply Voltage	36 to 52 VDC, (+) pins 2 and 3
Handling & Finishes	
Dimension (WxHxD)	10 x 510 x 10 mm (0.39" x 20.07" x 0.39")
Weight	0.080 kg (0.176 lbs)
Finishes	Ruthenium Plated Brass
Power Supply	
Preamplifier	Single unit: wired preamplifier Multiple units: preamplifier box requiring external 5 VDC 500 mA power supply

ACCESSORIES

- Flybar for flown array setup
- Microphone stand adapter
- Connection hardware to join multiple units
- Preamplifier for up to 4 KMC50 units
- Windshield accessory

APPLICATIONS

-  Boardrooms & Conference Rooms
-  Broadcast & Studios
-  Theaters
-  Houses of Worship
-  Auditoriums and Concert Halls
-  Stadiums and Sport Venues
-  Concerts and Live Events



Designed and Made in Italy

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