




Description








The Capture-KMC50 is the natural evolution of the KMC20 line array microphone. Featuring PAT technology 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.

Designed for vertical and horizontal use, Capture-KMC50 shows the narrowest response along the axis of its length and features a cardioid behaviour in the perpendicular direction. This gives the KMC50 a deep focus area balanced by a narrow capture extension and unparalleled strength against feedback issues.

The available accessories make the microphone suitable for a variety of applications, used either in a stand alone configuration or arrayed in a multiple unit steerable line array configuration: up to four units creating an impressive 2 m continuous microphone array can be joined.

The microphone's impressively slender frame is shaped from a 10 x 10 mm solid square aluminum bar using a milling cutter with bits less than 2 mm in radius, characterized by a homogeneous opaque finish and embellished with an ultra-black ruthenium galvanic bath.

Colors	Premium Finishes	Features	Frequent Applications		
	Ruthenium Plated Brass 	Line array characteristics	Narrow vertical polar pattern	Broadcast & Studios	Conferences and Boardrooms
		Pure Array Technology (PAT)	Wide horizontal cardioid polar pattern	Stadiums and Sport Venues	Theaters
		Visually discreet	Horizontal and vertical arrangement	Houses Of Worship	Auditoriums & Concert Halls

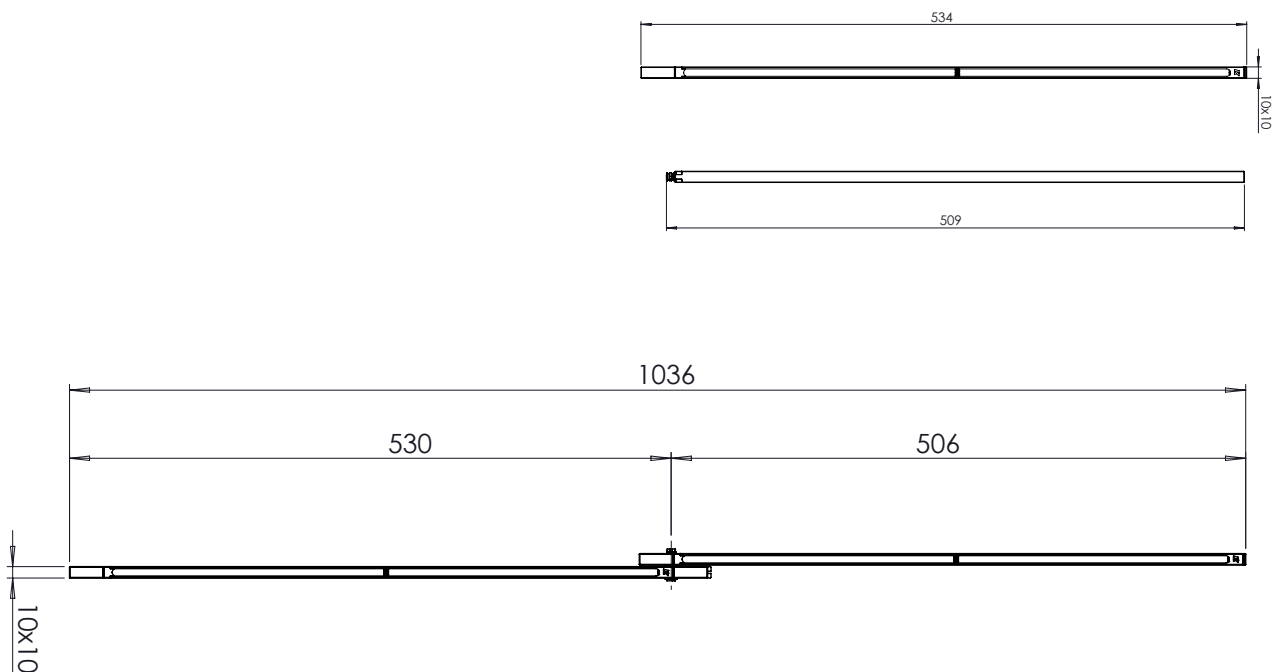
Accessories					
KMC50-JOINT		Connection hardware for KMC50 in array configuration	K-FLYM5		Flybar for KMC50 microphone array
K-BRK50		Bracket for KMC50 to be used with Rycote InVision INV-1 adapter (not included)			
Pop Filter			K-WIND150		Rycote accessory for maximum isolation from wind and handling noise
K-PREMC01		Preamplifier for one unit of KMC50	K-PREMC02		Preamplifier for up to 4 KMC50

Technical Specifications

General	
Type	Line array microphone
Capsule	16 x 6mm electret condenser
Frequency Response	55 – 20000 Hz
Sensitivity	-32 dBV (1kHz @ 94 dB SPL)
Maximum SPL	110 dB SPL (1 kHz, 10% THD)
Signal to Noise Ratio	57 dB (1 kHz, A-weighted)
Connector	XLR-M
Polar pattern	Cardioid line array

Power supply	
Preamplifier	Single unit: wired preamplifier Multiple units: preamplifier box requiring external 5 V _{DC} 500 mA power supply
Phantom Supply Voltage	36 to 52 V _{DC} , (+) pins 2 and 3

Handling and Finish	
IP Rating	IP54
Dimensions (WxHxD) & Weight	10 x 10 x 510 mm (0.39 x 0.39 x 20 in)
Weight	0.080 kg (0.176 lb)
Finish	Ruthenium Plated Aluminum



Notes for data:
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.