

OUTLINE

The Sony ECM-674 is an affordable shotgun-type electret condenser microphone, which delivers excellent sound performance in field and studio productions. Offering high-sensitivity, low-noise characteristics and flat-and-wide frequency response in a compact and lightweight design, the ECM-674 is well-suited for use with Sony camcorders such as the HDV™ Series, DVCAM™ Series and XDCAM™ Series. In addition, its two-way powering feature allows for both microphone power operation and battery operation. With its high performance, affordable price and great versatility, the ECM-674 microphone is an ideal choice for a range of sound-acquisition applications.

FEATURES

Superb Sound Quality

The ECM-674 offers an excellent sensitivity of -36 dB (0 dB=1 V/Pa.) and low inherent-noise level of less than 19 dB SPL. This allows the microphone to be used for clear voice pick-up even in noisy environments.

Flat-and-wide Frequency Response

The ECM-674 microphone has a flat-and-wide frequency response (60 Hz to 18 kHz) and provides sound reproduction that is extremely smooth and natural.

Compact and Lightweight Design

The ECM-674 has been designed as a highly directional compact and lightweight shotgun microphone. It measures only 268 mm (10 5/8 inches) in length and weighs just 220 g (7 oz), maintaining good balance even when mounted on compact camcorders.

Two-way Powering

A two-way powering capability allows the ECM-674 to be driven by microphone power or batteries, making it suitable for both camcorder mounting and many other sound-gathering applications.

- Internal AA-size battery operation
- External DC (40 to 52 V) operation

Built-in Low Cut Filter

The built-in two-position (M, V) low-cut switch provides users with a simple method of reducing the effects of undesired ambient noise.



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ECM-674

ELECTRET CONDENSER MICROPHONE

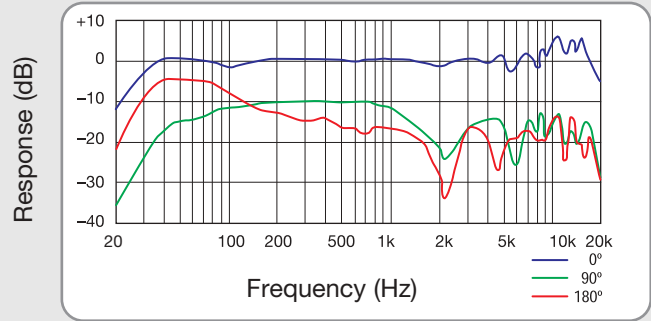


ECM-674 SPECIFICATIONS

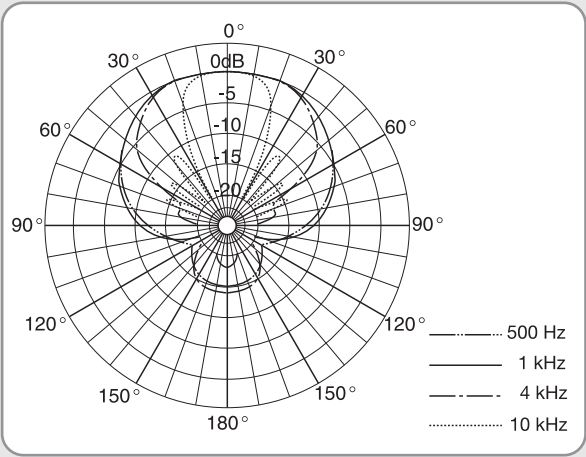
Capsule type	Electret condenser
Directivity	Uni-directional (super-cardioid)
Frequency response	60 Hz to 18 kHz
Sensitivity (at 1 kHz)	-36 dB ^{*1} ±3 dB
Output impedance (at 1 kHz)	200 Ω ±20%
Dynamic range	90 dB or more
Signal-to-noise ratio	74 dB or more (IEC179 A-weighted, 1 kHz, 1Pa.)
Inherent noise	19 dB SPL ^{*2} or less
Wind noise	60 dB SPL ^{*2} or less
Induction noise from external magnetic field	0 dB SPL ^{*2} or less
Maximum input sound pressure level	109 dB SPL ^{*2}
Power requirements	External: DC 40 to 52 V, Battery: 1.5 V
Dimensions	ø20 x 268 mm (ø13/16 x 10 5/8 inches)
Mass	220 g (7 oz)

^{*1} 0 dB=1 V/Pa., at 1 kHz
^{*2} 0 dB=20μ Pa.

Frequency Response Characteristics



Directivity Characteristics



SUPPLIED ACCESSORIES



Windscreen (x1)
Microphone spacer (x1)
Operating instructions (x1)

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