

## ECM-673

Short Shotgun Electret  
Condenser Microphone.



### Overview

The ECM-673 is a short shotgun, electret condenser-type microphone, which delivers excellent sound performance in field and studio production applications at an affordable price.

### Features

#### **Superb Sound Quality**

The ECM-673 offers an excellent sensitivity of -36 dB (0 dB=1 V/Pa) and a low inherent-noise level of less than 17 dB SPL. This allows the microphone to be used for clear voice pickup, even in noisy working environments.

#### **Flat-and-wide Frequency Response**

The ECM-673 microphone has a flat-and-wide frequency response (40 Hz to 20 kHz) and delivers extremely smooth and natural sound reproduction.

#### **Compact and Lightweight Design**

The ECM-673 has been designed as a highly directional, compact, and lightweight short shotgun microphone. It measures only 200 mm (7 7/8 inches) in length, and weighs just 135 g (4.76 oz), maintaining good balance even when mounted on compact camcorders.

#### **High Durability and Reliability**

The vibration-resistant mechanism of the ECM-673 offers high

durability and reliability, making it suitable for the harsh environments that can be encountered in field sound-acquisition.

### **Built-in Low-cut Filter**

The built-in two-position (M, V) low-cut switch on the ECM-673 provides a simple method of reducing the effects of unwanted ambient noise.

## Specifications

Audio Section	
Capsule Type	Mono Electret Condenser
Frequency Response	40 Hz to 20 kHz
Directivity	Uni-directional (super-cardioid)
Sensitivity *[1]	-36 dB $\pm$ 3 dB
Output Impedance * [2]	220 $\Omega$ $\pm$ 20%, Balanced
Dynamic Range	107 dB or more
Signal-to-Noise Ratio *[3]	77 dB or more
Inherent Noise *[4]	17 dB SPL or less
Induction Noise From External Magnetic Field *[5]	0 dB SPL or less

Wind Noise *[6]	50 dB SPL (without windscreen) 45 dB SPL or less (with windscreen)
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Maximum Input Sound Pressure Level *[7]	124 dB SPL
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## General Section

Connector	XLR-3-12C (male)
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Mic Cable	XLR-3 to XLR-3 500 mm 19.6 inches
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Power Requirements	External, DC 40 V to 52 V
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Dimensions *[8]	$\phi$ 20 x 200 mm $\phi$ 13/16 x 7 7/8 inches
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Mass	Approx. 4.8 oz Approx. 135 g
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Supplied Accessories	Windscreen (1) Stand adaptor (2) Short LR cable (for camcorder use) (1) Operating instructions (1) Mic spacer (2) Mic holder (1)
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## Notes

Note

\*[1] 0 dB = 1 V/Pa, at 1 kHz

\*[2] Output impedance at 1 kHz

\*[3] A-weighted, 1 kHz, 1 Pa.

\*[4] 0 dB SPL = 20  $\mu$ Pa

\*[5] dB SPL/1E-7 T, 0 dB SPL = 20  $\mu$ Pa

\*[6] Wind noise at 2m/s (0 dB SPL = 20  $\mu$ Pa)

\*[8] The values for dimensions are approximate.

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