

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 Ω \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 |

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| 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

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| 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] | ϕ 20 x 200 mm ϕ 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 μ Pa

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

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

*[8] The values for dimensions are approximate.

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