

## 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 *<br>[2]                               | 220 $\Omega$ $\pm$ 20%, Balanced |
| Dynamic Range   | 107 dB or more                   |
| Signal-to-Noise Ratio<br>*[3]                           | 77 dB or more                    |
| Inherent Noise *[4]                                     | 17 dB SPL or less                |
| Induction Noise From<br>External Magnetic<br>Field *[5] | 0 dB SPL or less                 |

|                 |   |
|-----------------|---|
| Wind Noise *[6] | 50 dB SPL (without windscreen)<br>45 dB SPL or less (with windscreen) |
|-----------------|---|

|   |            |
|---|------------|
| Maximum Input<br>Sound Pressure Level<br>*[7] | 124 dB SPL |
|---|------------|

## General Section

|           |                  |
|-----------|------------------|
| Connector | XLR-3-12C (male) |
|-----------|------------------|

|           |   |
|-----------|---|
| Mic Cable | XLR-3 to XLR-3<br>500 mm<br>19.6 inches |
|-----------|---|

|                    |                           |
|--------------------|---------------------------|
| Power Requirements | External, DC 40 V to 52 V |
|--------------------|---------------------------|

|                 |   |
|-----------------|---|
| Dimensions *[8] | $\phi$ 20 x 200 mm<br>$\phi$ 13/16 x 7 7/8 inches |
|-----------------|---|

|      |                                 |
|------|---------------------------------|
| Mass | Approx. 4.8 oz<br>Approx. 135 g |
|------|---------------------------------|

|                      |  |
|----------------------|--|
| Supplied Accessories | Windscreen (1)<br>Stand adaptor (2)<br>Short LR cable (for camcorder use)<br>(1)<br>Operating instructions (1)<br>Mic spacer (2)<br>Mic holder (1) |
|----------------------|--|

## 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.

Related  
products



### **HXC-FB80**

Three 2/3-inch  
Exmor™ CMOS sensor  
HD colour studio  
camera

## Gallery

