

**ECM-673**

Short Shotgun Electret Condenser Microphone.



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. This microphone is also tailored for use with HDV type camcorders.

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

## 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.

## Technical Specifications

|                             |  |
|-----------------------------|--|
| Capsule type                | Electret condenser   |
| Directivity                 | Uni-directional (super-cardioid)   |
| Frequency response          | 40 Hz to 20 kHz  |
| Sensitivity (at 1 kHz)      | -36 dB (*1) ±3 dB  |
| Output impedance (at 1 kHz) | 220 Ω ±20%   |
| Dynamic range               | 107 dB or more   |
| Signal-to-noise ratio       | 77 dB or more (IEC179 A-weighted, 1 kHz, 1Pa)                            |
| Inherent noise              | 17 dB SPL (*2) or less   |
| Wind noise                  | 45 dB SPL (*2) or less (with windscreen), 50 dB SPL (without windscreen) |

|  |   |
|--|---|
| Induction noise from external magnetic field | 0 dB SPL (*2) or less                         |
| Maximum input sound pressure level           | 124 dB SPL (*2)                               |
| Power requirements                           | DC 40 to 52 V                                 |
| Dimensions                                   | 20 dia. x 200 mm (13/16 dia. x 7 7/8 inches)  |
| Mass   | Approx. 135 g (4.76 oz)                       |
|  | (*1) 0 dB=1 V/Pa, at 1 kHz, (*2) 0 dB=20 μ Pa |

### Supplied Accessories

|                |  |
|----------------|--|
| Windscreen (1) |  |
|----------------|--|

|                       |  |
|-----------------------|--|
| Microphone holder (1) |  |
| Microphone spacer (1) |  |

|                            |  |
|----------------------------|--|
| Microphone cable (1)       |  |
| Operating instructions (1) |  |

## Compatible Products

### NXCAM & AVCHD Camcorders



#### HXR-NX5E

1/3-inch Exmor™ CMOS Professional AVCHD NXCAM Camcorder with GPS

### XDCAM



#### PMW-500

XDCAM HD422 Camcorder recording HD material at up to 50Mb/s onto Solid State media



#### PMW-EX1R

A Compact Full-HD Camcorder with SxS PRO Solid State Recording and 1/2-inch Exmor sensors



#### PMW-EX3

A Semi-Shoulder Full-HD Camcorder With SxS PRO Recording, for an Evolving Era of HD



#### PMW-EX1

A Compact Full-HD Camcorder With SxS PRO Recording, for an Evolving Era of HD

### NXCAM and AVCHD



#### HXR-NX5E

1/3-inch Exmor™ CMOS Professional AVCHD NXCAM Camcorder with GPS

### HDV



#### HVR-Z1E

HDV 1/3" 3CCD Handheld Camcorder

## XDCAM EX Camcorders



### PMW-EX3

A Semi-Shoulder Full-HD Camcorder With SxS PRO Recording, for an Evolving Era of HD



### PMW-EX1R

A Compact Full-HD Camcorder with SxS PRO Solid State Recording and 1/2-inch Exmor sensors

## Professional DXC Series



### DXC-D55PK

Professional digital video camera. 4:3 and 4:3/16:9 switch-able versions. With optional accessory packs.



### DXC-D55PL

Professional digital video camera. 4:3 and 4:3/16:9 switch-able versions. With optional accessory packs.



### DXC-D55WSPH

Professional digital video camera. 4:3 and 4:3/16:9 switch-able versions. With optional accessory packs.



### DXC-D55WSPL

Professional digital video camera. 4:3 and 4:3/16:9 switch-able versions. With optional accessory packs.



### DXC-D55PH

Professional digital video camera. 4:3 and 4:3/16:9 switch-able versions. With optional accessory packs.