

# ECM-MS2

Electret Condenser Microphone

**SONY**  
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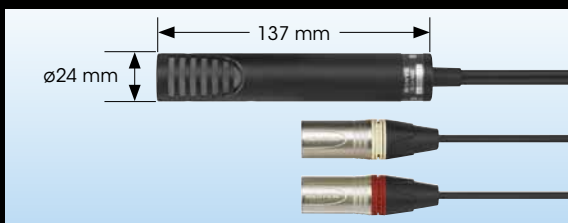


Affordable compact stereo microphone, ideal for mounting on professional compact camcorders

## MAIN FEATURES

### ■ Short and Compact

The compact 137 mm length of the Sony ECM-MS2 prevents inadvertent vignetting of the microphone when it is attached to a handheld professional camcorder such as the PMW-100. Additionally, this short length is convenient when packing and transporting the microphone with a compact camcorder.



### ■ Stereo and Mono Operation

The ECM-MS2 offers mono operation when stereo is not required, simply by cutting off the power supply to the right channel. For example, when a wireless microphone system is connected on one channel while recording environmental sounds on the other channel. The microphone is designed for applications such as news gathering and documentary shooting on location.

### Stereo/Mono Selection

Stereo	Mono
Cam L Channel: Power ON	Cam L Channel: Power ON
Cam R Channel: Power ON	Cam R Channel: Power OFF

### ■ Professional Quality

Professional quality is assured by XLR3P outputs which enable connection to professional camcorders for 48-volt phantom powering. The microphone's metal body also enhances audio performance by blocking vibration, resonance, and RF noises.

### ■ Unique Accessory

The supplied furry wind screen is used to suppress the strong wind present in typical harsh-climate operating conditions. A cable tie is also supplied to fasten the unplugged microphone cable during mono operation.



## Compatible Camcorder Sample



PMW-100



NEX-FS700



HXR-NX30

## Specifications

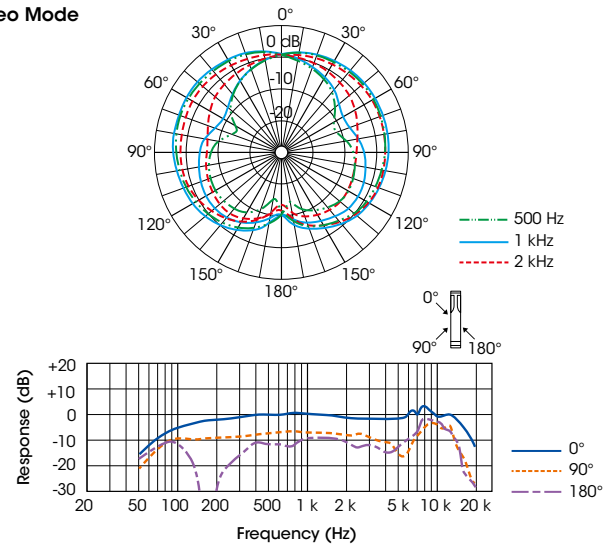
ECM-MS2	
<b>General</b>	
Type	Back electret condenser microphone
Stereo type	MS (Mid-Side) stereo microphone
Power supply	External power supply 40 V to 52 V DC (IEC 61938 P48)
Power consumption	Stereo: 3 mA or less x 2Ch Monaural: 3 mA or less
Output connector	Cannon XLR-3-12C type x2
Dimensions	31/32 dia. x 5 1/2 in. (24 dia. x 137 mm)
Weight	Approx. 5.6 oz. (160 g)
Supplied accessories	Wind screen (1), Cable tie (1), Operating instructions (1), Warranty booklet (1)
<b>Performance</b>	
Frequency response	Stereo: 80 Hz to 20,000 Hz Monaural: 70 Hz to 20,000 Hz
Directivity	Uni-directional
Output impedance	30 Ω ±20%, balanced
Sensitivity (deviation ±3 dB)	Stereo: -32 dB <sup>1)</sup> Monaural: -36 dB <sup>1)</sup>
Signal-to-noise ratio	69 dB or more (IEC 179 A-weighted, 1 kHz, 1 Pa)
Inherent noise	25 dB SPL or less <sup>2)</sup>
Wind noise	45 dB SPL or less (with wind screen) 65 dB SPL or less (without wind screen)
Induction noise from external magnetic field	0 dB SPL/1 x 10 <sup>-7</sup> T (1 mG) or less
Maximum input sound pressure level	125 dB SPL or more (input level for 1% waveform distortion at 1 kHz, converted into equivalent input sound pressure level) <sup>2)</sup>
Dynamic range	100 dB SPL or more
Operating temperature	32 °F to 122 °F (0 °C to 50 °C)
Storage temperature	-4 °F to +140 °F (-20 °C to +60 °C)

1) 0 dB SPL=1 V/Pa, 1 kHz

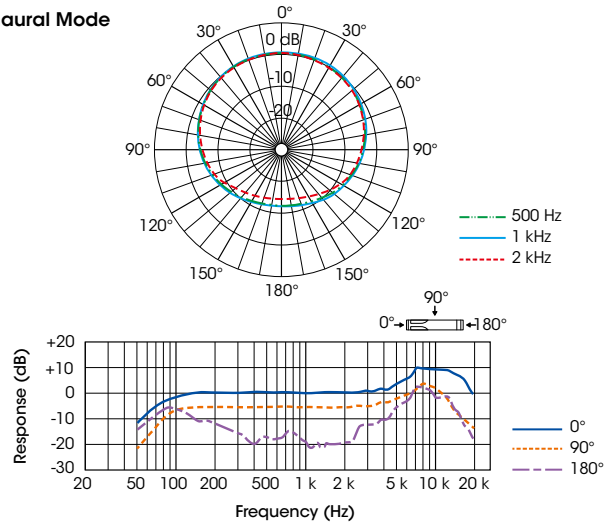
2) 0 dB SPL=2x10<sup>-5</sup> Pa

Design and specifications are subject to change without notice.

### Stereo Mode



### Monaural Mode



The ECM-MS2 are produced at Sony Taiyo, which has received ISO14001, the Environmental Management System certification.

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