

ECM-MS2

Electret Condenser Microphone

SONY
make.believe

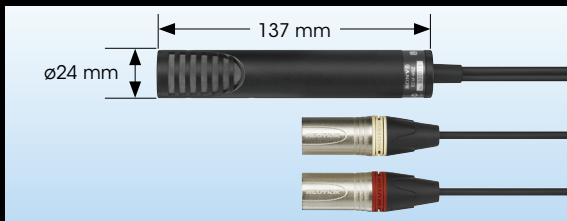


Affordable compact stereo microphone, ideal for mounting on professional compact camcorders

MAIN FEATURES

■ Short and Compact

The compact 137-mm length of Sony's ECM-MS2 prevents inadvertent vignetting of the microphone when it is attached to a handheld professional camcorder such as the PMW-100. Also, 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. This capability is useful when connecting, for example, a wireless microphone system on one channel while recording environmental sounds on the other channel. The microphone is therefore suited to 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 suppresses the strong wind noise typical of 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

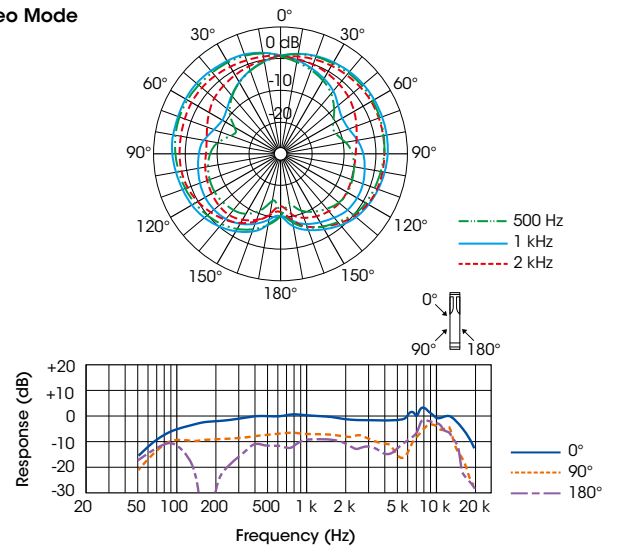
Specifications

ECM-MS2	
General	
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	24 dia. x 137 mm (31/32 dia. x 5 1/2 in.)
Mass	Approx. 160 g (5.6 oz.)
Supplied accessories	Wind screen (1), Cable tie (1), Operating instructions (1), Warranty booklet (1)
Performance	
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 ¹⁾ Monaural: -36 dB ¹⁾
Signal-to-noise ratio	69 dB or more (IEC 179 A-weighted, 1 kHz, 1 Pa)
Inherent noise	25 dB SPL or less ²⁾
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 ⁻² 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) ²⁾
Dynamic range	100 dB or more
Operating temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)

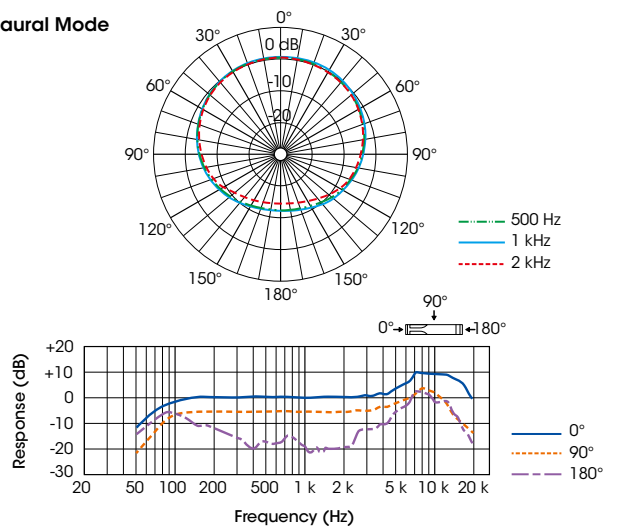
1) 0 dB=1 V/Pa, 1 kHz
2) 0 dB SPL=2x10⁻⁵ Pa

Design and specifications are subject to change without notice.

Stereo Mode



Monaural Mode



Distributed by

MK10928V1 OHB1 2MAR

©2012 Sony Corporation. All rights reserved.
Reproduction in whole or in part without written permission is prohibited.
Features and specifications are subject to change without notice.
"SONY", "make.believe" are trademarks of Sony Corporation.
All other trademarks are the property of their respective owners.

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

