

ECM-674

Affordable shotgun Electret condenser microphone



The ECM-674 is an affordable shotgun-type electret condenser microphone, which delivers excellent sound performance in field and studio productions.

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

Flat-and-wide Frequency Response

The ECM-674 microphone has a flat-and-wide frequency response (40 Hz to 20 kHz) and provides sound reproduction that is extremely smooth and natural

Compact and Lightweight Design

The ECM-674 has been designed as a highly directional compact and lightweight shotgun microphone. It measures only 268 mm (10 5/8 inches) in length and weighs just 185 g (6.5 oz), maintaining good balance even when mounted on compact camcorders.

Built-in Low Cut Filter

The built-in two-position (M, V) low-cut switch provides users with a simple method of reducing the effects of undesired 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	Phantom: 107 dB or more, Battery: 98 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	50 dB SPL(*2) or less (with windscreen)

Benefits

Superb Sound Quality

The ECM-674 offers an excellent sensitivity of -36 dB (0 dB=1 V/Pa.) and low inherent-noise level of less than 17 dB SPL. This allows the microphone to be used for clear voice pick-up even in noisy environments

Two-way Powering

A two-way powering capability allows the ECM-674 to be driven by microphone power or batteries, making it suitable for both camcorder mounting and many other sound-gathering applications. Internal: AA-size battery operation. External: DC (40 to 52 V) operation

Built-in Battery Liquid Leakage Protection Circuit

In general, old batteries can leak and damage the equipment they are used in. The ECM-674 prevents this by continually detecting the output voltage of the battery and shutting off the power supplied to the electric circuit whenever the voltage drops beneath a certain threshold.

Induction noise from external magnetic field	0 dB SPL(*2) or less
Maximum input sound pressure level	Phantom: 124 dB SPL (*2), Battery: 115 dB SPL (*2)
Power requirements	External: DC 40 to 52 V, Battery: 1.5 V
Dimensions	20 dia. x 268 mm (13/16 dia. x 10 5/8 inches)
Mass	Approx. 185 g (6.5 oz) without battery Approx. 208 g (7.3 oz) with battery
Note:	(*1) 0 dB=1 V/Pa., at 1 kHz (*2) 0 dB=20µ Pa.

Supplied Accessories

Windscreen	
Microphone holder	

Microphone spacer	
Microphone cable	
Operating instructions	

Compatible Products**XDCAM****PDW-F800**

Three 2/3-inch Power HAD FX CCD sensors top-of-the-range XDCAM HD422 camcorder recording full HD / SD

**PMW-350K**

Three 2/3-inch type Exmor CMOS sensors with 16x zoom HD lens XDCAM EX camcorder recording full HD (plus SD option)

**PMW-320K**

Three 1/2-inch type Exmor CMOS sensors XDCAM EX camcorder with 16x zoom HD lens recording full HD / SD

**PDW-F335K/2**

Three 1/2-inch type HD Power HAD CCD sensors with manual focus lens XDCAM HD camcorder recording HD /SD

**PMW-320L**

Three 1/2-inch type Exmor CMOS sensors XDCAM EX camcorder without lens recording full HD / SD

**PDW-F335L**

Three 1/2-inch type HD Power HAD CCD sensors without lens XDCAM HD camcorder recording HD /SD

**PMW-350L**

Three 2/3-inch type Exmor CMOS sensors without lens XDCAM EX camcorder recording HD (plus SD option)

**PMW-EX1R**

Three 1/2-inch type Exmor CMOS sensors XDCAM EX camcorder recording full HD / SD

**PDW-F355L**

Three 1/2-inch type HD Power HAD CCD sensors without lens fully-featured XDCAM HD camcorder recording HD /SD

**PMW-EX1**

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

HDCAM**HDW-650P**

Three 2/3-inch Power HAD CCD sensors HDCAM camcorder

**HDW-790P**

HD camcorder, offering 2.2 million pixels per colour, HDCAM recording and is switchable between 50i and 25P scanning.

HDV**HVR-Z1E**

HDV 1/3" 3CCD Handheld Camcorder

XDCAM EX Camcorders**PMW-320K**

Three 1/2-inch type Exmor CMOS sensors
XDCAM EX camcorder with 16x zoom HD
lens recording full HD / SD

**PMW-EX1R**

Three 1/2-inch type Exmor CMOS sensors
XDCAM EX camcorder recording full HD / SD

**PMW-320L**

Three 1/2-inch type Exmor CMOS sensors
XDCAM EX camcorder without lens recording
full HD / SD

Professional DXC Series**DXC-D55PK**

Three 2/3-inch Power HAD EX CCD sensor
4:3 SD system camera with lens

**DXC-D55PL**

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

**DXC-D55WSPH**

Three 2/3-inch Power HAD EX CCD sensor
16:9/4:3 SD system camera

**DXC-D55WSPL**

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

**DXC-D55PH**

Three 2/3-inch Power HAD EX CCD sensor
4:3 SD system camera