



## ECM-674

Electret Condenser Microphone

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

### 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.

### 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.

### 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)

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

Operating instructions  
Microphone cable  
Microphone spacer  
Microphone holder  
Windscreen

## Compatible Products

### XDCAM



#### PDW-F335K/2

A versatile XDCAM HD Camcorder recording onto the latest Dual Layer Professional Disc for even longer recording time - supplied with a Canon KH20x6.4

manual focus lens.



#### PDW-F355L

Fully-featured XDCAM HD Camcorder recording onto the latest Dual Layer Professional Disc for even longer recording time - supplied without lens.



#### PDW-F335L

A versatile XDCAM HD Camcorder recording onto the latest Dual Layer Professional Disc for even longer recording time - supplied without lens.



#### PMW-EX1

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

### HDCAM



#### HDW-650P

HD camcorder, offering 2.2 million pixels per colour, HDCAM recording and switchable between 50i, 59.94i and 25P scanning.



#### 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

### DXC series



#### DXC-D55PH

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



#### DXC-D55PK

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

**SONY****DXC-D55PL**

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-D55WSPH**

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