

PRO 24-CM STEREO CONDENSER MICROPHONE



- Compact, lightweight stereo condenser microphone designed for any camcorder with an accessory shoe and stereo microphone input
- Also suitable for a wide range of stereo applications, including field recording and studio use (with accessories available separately)
- Offers the convenience of high-quality stereo pickup in a single microphone
- Battery-free operation when used with recording devices that provide plug-in power at the mic input
- Pair of cardioid condenser elements in X/Y configuration provides the spatial impact and realism of a live sound field
- Professional condenser circuitry ensures excellent sound quality
- On/off switch for convenient operation
- Permanently attached 6"-12" coiled cable with right-angle molded 3.5 mm stereo mini-plug at output end
- Includes camera-mount, windscreen, battery and protective pouch

The PRO 24-CM is a compact, lightweight stereo condenser microphone ideal for use with camcorders that are equipped with a 3.5 mm (1/8") stereo microphone input and an accessory shoe. The microphone is designed for either battery operation or for battery-free operation when used with camcorders (or other recording devices) that provide plug-in power (2-10 volts DC) at the mic input. If used *without* plug-in power, install the battery before attempting use. If used *with* a recording device equipped for plug-in power, simply plug the microphone cable's stereo mini-plug directly into the recording device's microphone input. No battery is needed when the PRO 24-CM is used with plug-in power.

To mount the PRO 24-CM on your camcorder:

- 1) Slide the microphone into the included camera-mount.
- 2) Slide the camera-mount into your camcorder's accessory shoe.
- 3) Tighten the mounting knob so the camera-mount is held securely in place.
- 4) Connect the 3.5 mm stereo mini-plug to the MIC input on your camcorder.

Battery installation: Unscrew the lower section of the microphone and slide it down to reveal the battery compartment. Insert the battery, being certain to observe polarity as indicated (+ end toward the front of the microphone). Close and secure the cover. Remove the battery during long-term storage.

The PRO 24-CM is equipped with an ON/OFF switch for convenient operation. When you use the microphone, turn the power switch ON. Turn the switch OFF after use.

Output for each stereo channel is low impedance (Lo-Z) unbalanced. The permanently attached 152.4 mm - 304.8 mm (6"-12") coiled cable features a right-angle molded 3.5 mm stereo mini-plug at the output end.

Locating the PRO 24-CM nearer the sound source enhances the width of the stereo image, while decreasing room ambience. Conversely, as the mic position moves away from the sound source, a narrower left/right stereo image results, and more of the "room sound" is noted.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

PRO 24-CM SPECIFICATIONS†

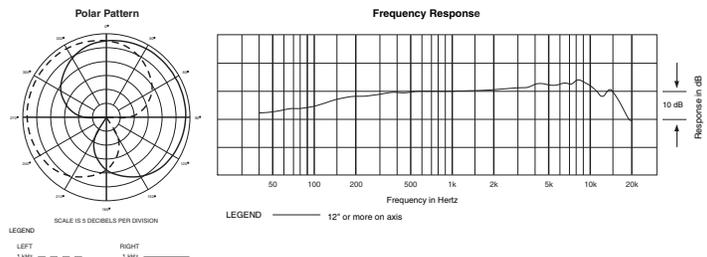
ELEMENTS	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	X/Y Stereo
FREQUENCY RESPONSE	100-17,000 Hz
OPEN CIRCUIT SENSITIVITY	-50 dB (3.1 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms
MAXIMUM INPUT SOUND LEVEL	119 dB SPL, 1 kHz at 1%T.H.D.
SIGNAL-TO-NOISE RATIO†	57 dB, 1 kHz at 1 Pa*
DYNAMIC RANGE (typical)	82 dB, 1 kHz at Max SPL
POWER REQUIREMENTS	2-10V DC plug-in power
BATTERY TYPE	1.5V LR44
BATTERY CURRENT / LIFE	0.6 mA / 200 hours typical
SWITCH	On/off
WEIGHT	111 g (3.9 oz)
DIMENSIONS	116.5 mm (4.59") long, 21.0 mm (0.83") maximum body diameter
OUTPUT CONNECTOR	3.5 mm stereo mini-plug on cable
CABLE	Permanently attached 152.4 mm - 304.8 mm (6"-12") coiled cable with right-angle molded 3.5 mm stereo mini-plug at output end
ACCESSORIES FURNISHED	Video-camera shoe mount; LR44 battery; windscreen; soft protective pouch

†In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

†Typical, A-weighted, using Audio Precision System One.

Specifications are subject to change without notice.



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