



# THE BLACK KNIGHT

The Black Knight uses a large dual-diaphragm, side-terminated, condenser capsule. It possesses a natural musical sound with transparent highs, smooth midrange with a subtle vocal presence bump at 3kHz, flat low-frequency response and a unidirectional cardioid polar pattern. The acoustically open transducer head minimizes internal resonances and reflections so that even the most minute sound details are authentically captured. An integrated swivel-mount allows for fast and handy positioning of the transducer head. The internal phantom powered preamplifier's Class 'A' fully discrete transformerless circuit provides very high output, flat audio-response and ultra-low distortion and noise. Gold-plated contacts on the output connector provide a noise-free connection.

## APPLICATIONS

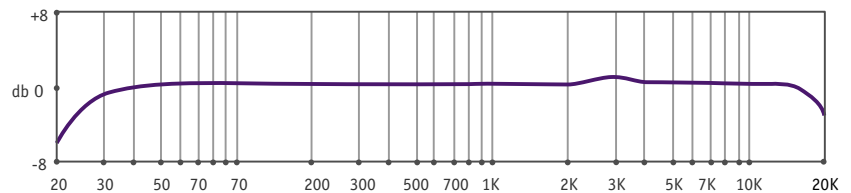
The Black Knight microphone has a very detailed and uncolored sound. It is perfect for overheads, acoustic guitar and many other instruments as well as vocal applications. The swivel mount head allows for easy minor re-positioning, without adjusting the stand. It is an excellent solution for broadcast studios, film and video production, sound reinforcement and other professional applications. It has a very open, single layer head grill so use of a pop-filter or foam windscreen is recommended when working the microphone closely.



## SPECIFICATIONS

- Transducer type: electrostatic
- Operating principle: pressure gradient
- Diaphragm's active diameter: 1" (27mm)
- Frequency range: 20 Hz to 20 kHz
- Polar pattern: cardioid
- Output impedance: 50 ohms
- Rated load impedance: 1000 ohms
- Suggested load impedance: > 500 ohms
- Sensitivity at 1000 Hz into 1000 ohms load: 33 mV/Pa
- S/N Ratio (CCIR 468-3 weighted): 76.5 dB
- S/N Ratio (DIN/IEC 651 A-weighted): 87.5 dB-A
- Equivalent noise level DIN/IEC A-weighted: 6.5 dB-A
- Maximum SPL for 0.5% THD at 1000 ohm load: 134.5 dB
- Dynamic range of the microphone preamplifier: 128 dB
- Phantom power voltage (on XLR pins 2 & 3): 48V (±4V)
- Current consumption: < 2 mA
- Output connector: 3-pin XLR male
- Signal polarity: pin 2 in phase
- Dimensions & Weight: 8.2" (h) x 1.7" (w) / 1 lb. ( 208 x 44mm / 450g)
- Included accessories: holder, solid hardwood box
- Options: VSMD-BK shockmount, BKS shockmount, GSM compact shockmount

## FREQUENCY CHART: THE BLACK KNIGHT



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