



Electronic Technical Services Inc.  
211 Conchas SE  
Albuquerque, NM 87123  
PH 505-888-3923 FAX 505-888-3926  
Website: www.etsnm.com

Sound Surveillance™

# SM1-BPESS-LN Ultra Low Noise, High Sensitivity Boundary Microphone

## Description

Highest performance, uni-directional, boundary type, pre-amplified microphone for fixed location security applications.

**SM1-BPESS-LN is ideally suited for interrogation and interview rooms.**

- Ultra low noise / high sensitivity
- Adjustable high and low frequency cut off filters. Useful for reducing back ground noise.
- Directional boundary pickup pattern helps reduce ambient noise.
- Adjustable automatic level control with a compression ratio range of 1:1 to 10:1. The circuit automatically lowers the gain in loud environments and when quiet, raises the gain where faint audio sources such as people whispering can be heard.

Connects directly to our switcher / mixer / amplifiers or use one of our many interface products to make fast and clean connections to DVRs or remote monitoring equipment.

## Includes:

- SM1-BPESS-LN Microphone.
- Mounting screws.
- Warning label.
- Installation instructions.

## Wiring requirements:

2 conductor shielded (with drain wire) 22 gauge stranded. Max cable length 1000'

## Caution

It is the responsibility of the installation company and end user to install this audio surveillance equipment in compliance with state and federal privacy laws. If you are unfamiliar with these laws, consult a qualified attorney.



## SM1-BPESS-LN Specifications

- Directional 25' pickup pattern, -6db attenuation on all sides.
- Low noise MOSFET pre-amplifier.
- 80db S/N ratio, -28db sensitivity ECM capsule.
- 500Hz-16Khz Frequency response (hi-cut and lo-cut off)
- Adjustable lo-cut filter: (500hz to 1Khz)
- Adjustable hi-cut filter: (5Khz to 16Kz)
- Adjustable automatic gain control. (compression range 1:1-10:1).
- Adjustable output level (post AGC).
- 100 Ohm unbalanced output.
- Treble boost pre-emphasis.
- 3 position terminal block.
- Power: 12-24vdc @15mA.
- On-board voltage regulators and RFI filtering.
- Stainless steel plate mounts flush or on a single gang electrical box.
- Industrial temperature range: -40C to 85C.
- Dimensions: L 4.7" x W 2.9" H 0.9"
- Weight .1lbs

Warranty 1 year parts and labor.

Made in USA