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Sound Surveillance™

# SM1-APE Boundary Type Pre-amplified Microphone

## Description

High performance, boundary type pre-amplified microphone for fixed location security applications. Built in limiter circuit automatically lowers the output level during loud sound intervals. Hi cut and low cut filters significantly reduce background noise. Stainless steel plate mounts flush or on a single gang electrical box.

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



## Includes:

- SM1-APE flush mount microphone.
- Mounting screws.
- Warning label.
- Installation instructions.

## Options:

- See Pre-amplifier board selection guide for alternate pre-amplifier form factors.
- Add -LN to P/N for ultra low noise (80db) and high sensitivity (-28db) microphone capsule
- Add -BK for black, -WH for white or -IV for ivory painted plates

## 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-APE Specifications

- 25' Boundary type pickup pattern.
- Low noise MOSFET pre-amplifier.
- 500Hz-16Khz Frequency response.
- Switch selectable hi-cut/low-cut filters limit frequency response to 900-6khz significantly reducing background noise.
- Switch selectable volume range:  
"Line level" (0db) or  
"Microphone level" (-30db)
- Adjustable gain in both volume ranges.
- 100 Ohm unbalanced output.
- Internal peak limiter circuit (.5 sec response)
- 3 position terminal block.
- PTCC fused and reverse polarity protected
- Power: 12 to 24VDC @ 10mA.
- On-board voltage regulator and RFI filtering.
- S/N ratio: more than 60DB
- Sensitivity -45DB
- Temperature range -25 to 85C.
- Stainless steel plate and cast aluminum PCB housing mounts flush or on a single gang electrical box.
- Dimensions: L 4.5" W 2.7" H 1.5"
- Weight .08lbs

Warranty 1 year parts and labor.

Made in USA