



**Electronic Technical Services Inc.**  
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**Sound Surveillance™**

# SM1-FE Panel Mount, Weather Proof Pre-amplified Microphone

## Description

*The SM1-FE is a pre-amplified, panel mount, omni-directional, weather proof (IP55), vandal resistant, microphone for indoor / outdoor applications. Built in limiter circuit automatically lowers the output level during loud sound intervals.*

*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:

- ML1-FE Microphone.
- Gasket, washer and nut
- SM1-PA Pre-Amplifier.
- 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-FE Specifications

- Omni-directional 25' pickup pattern.
- Low noise MOSFET pre-amplifier.
- Tamper resistant microphone
- Weather proof microphone (IP55)
- 500Hz-13Khz 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 Euro-style connector makes cable termination fast and clean.
- 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
- ML1-FE Dimensions: L 1.25 x D1 0.6 x D2 0.4
- SM1-PA Dimensions: L 3.3 x W 2.0 x H 1.6
- Weight .1lbs

**Warranty** 1 year parts and labor.

Made in USA