

# SM Series

## Powered Monitor

## Description

The POPE Professional® SM Series is a compact, high performance coaxial powered stage monitor which combines maximum enclosure volume with optimum presentation angle in a low profile and contemporary design. It features a high-performance 12" (300 mm) and 15" (380 mm) Coaxial driver unit mounted on a differential dispersion enclosure.

The SM Series Powered Monitors are having on board FIR/IIR filters, Analog In/Out, AESOP digital signal In/Out and SoundNet® Networking. The customer can add POPE Professional® SN-2 AES67 Network module or SN-4 Dante Network module at any time to enable digital networking. The SN-2 AES67 or SN-4 Dante module is an optional.

## Specifications

<b>Model</b>	: <b>SM-12C</b>
<b>Class</b>	: 1*12" Powered Coaxial Monitor
<b>Frequency Response</b>	: 80Hz - 20kHz
<b>Horizontal Coverage Angle</b>	: 55°
<b>Vertical Coverage Angle</b>	: 35°
<b>SPL**</b>	: 110dB Continuous, 116dB peak

### Electronic Amplifier

<b>Model</b>	: VT-3
<b>Total Power</b>	: 6600W Peak, 3300W RMS Continuous
<b>Amplifier Output (HF)</b>	: 1600W Peak, 800W RMS Continuous
<b>Amplifier Output (LF)</b>	: 5000W Peak, 2500W RMS Continuous
<b>Cooling</b>	: Aluminium heat Sink with Fan
<b>Power Connector</b>	: In / Out with Rubber sealing cover
<b>Power</b>	: AC 85-265V @ 50-60Hz

### Processor

<b>In/Out</b>	: 4 In / 4 Out
<b>DSP</b>	: 40 bit / 96kHz DSP
<b>Filters</b>	: FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Lim
<b>Analog Signal</b>	: Balanced Input / Output
<b>Digital Signal</b>	: Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
<b>Connectors</b>	: XLR male / female and Ethernet
<b>Control</b>	: Ethernet - SoundNet® Networking
<b>Preset</b>	: 24

For more specifications about DSP, check the XT-4040 product catalogue.

### Transducer

<b>High Frequency</b>	: 1*1.4" Throat POPE Professional® Transducer Compression driver
<b>Voice Coil Diameter</b>	: 75 mm (3")
<b>Magnet Material</b>	: Ferrite
<b>Diaphragm Material</b>	: Titanium

<b>Low Frequency</b>	: 1*12" (300 mm) Diameter POPE Professional® Transducer Transducer
<b>Voice Coil Diameter</b>	: 75 mm (3")
<b>Magnet Material</b>	: Ferrite

### Enclosure

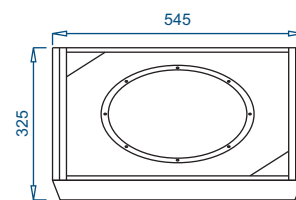
<b>Box Construction</b>	: 18 mm, 11-ply birch Faced plywood 5 degree Trapezoidal enclosure
<b>Finish</b>	: <b>SoundFlex®</b> environmental friendly coating
<b>Mounting</b>	: 35 mm Pole Mount
<b>Suspension System</b>	: Floor / Tripod Stand
<b>Grille</b>	: Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
<b>Packing</b>	: Foam with wooden crate carton packing
<b>Dimensions (H x W x D)</b>	: 325 mm × 545 mm × 462 mm
<b>Net Weight</b>	: 24 kg
<b>Gross Weight</b>	: 31 kg

## Applications

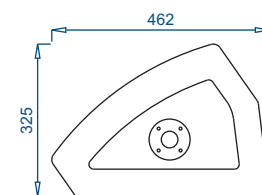
- Speech reinforcement
- Live performance stage monitoring
- Reinforcement of vocal and music

## Features

- FIR/IIR Filters
- Dante / AES67 / AESOP / Analog Input
- 40 bit floating point / 96kHz DSP Processing
- Class-D amplification
- SoundNet® Networking software
- Ethernet Connectivity
- 24 bit AD/DA converters
- Built-in DSP
- 12" & 15" Coaxial Driver



FRONT



SIDE



## Specifications

<b>Model</b>	: <b>SM-15C</b>
<b>Class</b>	: 1*15" Powered Coaxial Monitor
<b>Frequency Response</b>	: 76Hz - 20kHz
<b>Horizontal Coverage Angle</b>	: 55°
<b>Vertical Coverage Angle</b>	: 35°
<b>SPL**</b>	: 114dB Continuous, 120dB peak

### Electronic

#### Amplifier

<b>Model</b>	: VT-3
<b>Total Power</b>	: 6600W Peak, 3300W RMS Continuous
<b>Amplifier Output (HF)</b>	: 1600W Peak, 800W RMS Continuous
<b>Amplifier Output (LF)</b>	: 5000W Peak, 2500W RMS Continuous
<b>Cooling</b>	: Aluminium heat Sink with Fan
<b>Power Connector</b>	: In / Out with Rubber sealing cover
<b>Power</b>	: AC 85-265V @ 50-60Hz

### Processor

<b>In/Out</b>	: 4 In / 4 Out
<b>DSP</b>	: 40 bit / 96kHz DSP
<b>Filters</b>	: FIR / IIR, Frequency, Gain, RMS, Peak, Dynamic Limiter
<b>Analog Signal</b>	: Balanced Input / Output
<b>Digital Signal</b>	: Dante® / AES67 / AESOP (SN-2 AES67 / SN-4 Dante Module - Optional)
<b>Connectors</b>	: XLR male / female and Ethernet
<b>Control</b>	: Ethernet - SoundNet® Networking
<b>Preset</b>	: 24

For more specifications about DSP, check the XT-4040 product catalogue.

### Transducer

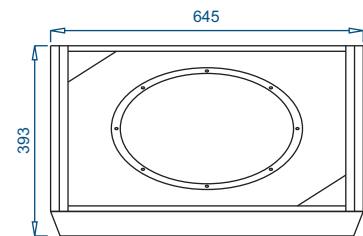
<b>High Frequency</b>	: 1*1.4" Throat POPE Professional® Transducer Compression driver
<b>Voice Coil Diameter</b>	: 75 mm (3")
<b>Magnet Material</b>	: Ferrite
<b>Diaphragm Material</b>	: Titanium

<b>Low Frequency</b>	: 1*15" (380 mm) Diameter POPE Professional® Transducer
<b>Voice Coil Diameter</b>	: 75 mm (3")
<b>Magnet Material</b>	: Ferrite

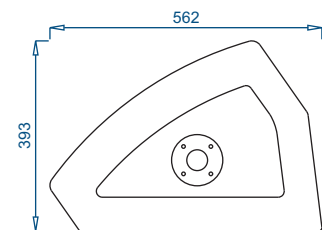
### Enclosure

<b>Box Construction</b>	: 18 mm, 11-ply birch Faced plywood 5 degree Trapezoidal enclosure
<b>Finish</b>	: <b>SoundFlex®</b> environmental friendly coating
<b>Mounting</b>	: 35 mm Pole Mount
<b>Suspension System</b>	: Floor / Tripod Stand
<b>Grille</b>	: Powder coated, black, 16-gauge perforated steel grille with charcoal foam backing
<b>Packing</b>	: Foam with wooden crate carton packing
<b>Dimensions (H x W x D)</b>	: 393 mm × 645 mm × 562 mm
<b>Net Weight</b>	: 30 kg
<b>Gross Weight</b>	: 39 kg

**SoundNet® Ready**



FRONT



SIDE