

**SCM105AC Pro****3-way Active Mid-Field Centre Channel****Overview**

Low height cabinet design to simplify install in crowded control rooms.

Symmetrical driver layout.

Ideal partner for the SCM50/100/110A Pro stereo monitor loudspeakers\*.

Dual 9"/234mm SL bass drivers, 3"/75mm soft-dome mid, 1"/25mm soft-dome tweeter.

3-way active design featuring precision active crossovers & discrete MOSFET power amplifiers, integrated as proprietary 'Amp-Pack'.

In-Wall variant with remote amplifier also available – the SCM105AiWC Pro.

Wide dynamic range and bandwidth.

\* Can also partner SCM150A Pro but max SPL capability must be considered.

**Acoustic specifications**

Drive Units... Bass: 2 x SB75-234SL 16Ω.

Mid: 1 x SM75-150S 16Ω.

HF: 1 x SH25-76S 6Ω.

Low Frequency Cut-off: 30Hz (-6dB, anechoic).

High Frequency Cut-off: 25kHz (-6dB).

Amplitude Linearity: 50Hz – 17kHz (+/- 2dB).

Matched Response: +/-0.5dB.

Crossover Points: 380Hz & 3.5kHz.

MaxSPL: 115dB continuous, 121dB peak (per pair, IEC Weighted Pink Noise, 1m, anechoic).

System Sensitivity: 85dBC ref. -20dBu (per single unit, 1m, pink noise, bass boost 0dB, sensitivity 2.2dBu/1V).

**Electronic specifications**

Balanced Input: 1 x Rear Panel Mounted Female XLR, pin 2 hot.

Input Impedance: 20kΩ (differential).

Input CMRR: >82dB (10kHz).

Input Sensitivity: 2.2dBu/1Vrms for full power.

Input Sensitivity Control: Continuously Variable from 2.2dBu – 8.2dBu / 1Vrms – 2Vrms (-6dB).

Bass Boost Control: Continuously variable from 0dB to +6dB.

Crossover Filters: 4th Order Linkwitz-Riley.

Frequency Response: <2Hz to >200kHz (-3dB).

Amplifier type: Grounded Source MOSFET based Class A/B, convection cooled.

Output Power: Bass 200W (8Ω), Mid 100W (16Ω), HF 50W (6Ω).

THD+N: <0.003%/-92dB (1kHz, 1dB below rated power, 90kHz BW).

Limiter: ATC Active FET Momentary Gain Reduction, limiter 'active' indicated via front panel LED.

Mains Input: Rear panel mounted, 220-230V or 115V – Factory set. Please observe panel markings and labels!

Power Consumption: Idle 37W /51VA. 1/8th Power 132W/178VA. Full Power 321W/403VA.

Heat Output: Idle 126 BTU/hr. 1/8th power 366 BTU/hr. Full Power 413BTU/hr.

**Physical specifications**

See following page.

# SCM105AC Pro

## 3-way Active Mid-Field Centre Channel

Net Weight: 66.5kg/146.6lbs.

Dimensions...

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