

# SCR-3215sm

## KEY FEATURES

- Four-Way Reference Loudspeaker System
- Dual Professional 15-inch 1400W Woofers with 4-inch Voice Coils
- 41-pound / 7-inch Carbon Fiber Compression Lower-Midrange Driver
- Annular Diaphragm Co-Axial Upper-Mid / High-Frequency Driver
- High-Sensitivity: 102dB LF; 114dB MF, 114dB UMF, 114dB HF
- Maximum Output: >140dB
- Designed for Placement Behind Acoustically Transparent Screen
- 8th Order Crossover Slopes
- DSP Performance Optimized
- Requires Five Channels of PRO Amplification
- Capable of "Reference Level" at >12 Meters



## DESCRIPTION

Each SCR-3215sm loudspeaker stands over 7' in height and weighs nearly 350 lbs. Its dual 15" woofers provide a low frequency sensitivity of 102dB while moving air with over 350 sq. inches of surface area. Supported by dual ports and powered by a massive motor system, each low-frequency driver has a 4" voice coil to maximize thermal power handling, resulting in tight and articulate bass with the visceral slam experienced in the commercial theater or concert setting. Mid/high frequency duties are provided by a 7" carbon fiber compression driver weighing 41 lbs. This ultra-high-output driver sustains piston motion over 3.5 octaves, resulting in the most effortless and coherent rendering of vocals and instrumentation possible. Dispersion and acoustic power transfer are controlled via a 28.5"- sq. constant directivity horn with over 800 sq. inches of effective radiating surface - more than 40 times that of a typical cone midrange. Upper mid and high frequencies emanate from an annular diaphragm co-axial driver for silky smooth treble and uncolored harmonics. The companion 18" x 22" horn provides 396 sq. inches of radiating surface; or the equivalent of more than 500 one-inch dome tweeters per speaker.

To optimize performance of the SCR-3215sm, proprietary Digital Signal Processing (DSP) is employed for all crossover functions, time correction, and very high resolution frequency response shaping, eliminating restrictive passive filter networks from the signal path. With signal filtration achieved prior to amplification, the output stage of each amp channel is direct coupled to its associated driver, maximizing power transfer and control. Maximum output is >140dB, making the SCR-3215 the definitive loudspeaker of choice for large to very large room applications.

## SPECS

|                              |                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION:</b>          | Large format 4-way screen channel loudspeaker                                                                         |
| <b>LF SECTION:</b>           | Dual 15" professional grade woofers with 4" voice coil                                                                |
| <b>MF SECTION:</b>           | 7" professional grade compression driver on large format horn<br>Carbon fiber diaphragm<br>90° x 40° horn / 28" x 28" |
| <b>HF SECTION:</b>           | 1.5" annular diaphragm coaxial compression driver<br>90° x 60° horn / 18" x 22"                                       |
| <b>CROSSOVER:</b>            | 8th order acoustic via DSP                                                                                            |
| <b>POWER HANDLING:</b>       | 2800W LF / 400W MF / 150W UMF / 80W HF                                                                                |
| <b>SENSITIVITY:</b>          | 102dB LF / 114dB MF / 114dB UMF/HF                                                                                    |
| <b>POWER REQUIREMENTS:</b>   | Five channels of PRO amplification                                                                                    |
| <b>POWER RECOMMENDATION:</b> | 1000W x 2 LF / 450W MF / 450W Upper MF / 200W HF                                                                      |
| <b>FREQUENCY RANGE:</b>      | 34Hz – 24kHz                                                                                                          |
| <b>MAXIMUM OUTPUT:</b>       | >140dB SPL                                                                                                            |
| <b>NOMINAL IMPEDANCE:</b>    | 4-ohms / 8-ohms / 8-ohms / 8-ohms                                                                                     |
| <b>DIMENSIONS:</b>           | 88"H x 32"W x 41"D                                                                                                    |
| <b>WEIGHT:</b>               | 180lbs (MF/HF) / 142lbs. (LF)                                                                                         |