Developed specifically for the unique requirements of professional motion picture playback, the SC-312XC extends QSC’s commitment to the cinema market. As a member of the DCS Digital Cinema Speaker Series, the SC-312XC is a passive, 2-way, screen channel loudspeaker system comprised of two main units—the HF-75CX1 high frequency system and the LF-3115 low-frequency system.

The HF-75CX1 high-frequency system features a 3” (75mm) titanium diaphragm compression driver mounted on a custom designed high frequency cinema horn with an adjustable pan and tilt bracket. The HF-75CX1 includes a driver protection and equalization network. DC blocking capacitors protect against DC or low-frequency signals that would likely destroy an unprotected driver. Power limiter circuitry protects the driver from over powering and a response correction filter smoothes the frequency response of the horn/driver combination. The driver and equalization network provides for more reliable operation, ensuring the show will go on.

The LF-3115 15” (381mm) low-frequency enclosure is designed specifically to address the extended low-frequency response required for cinema applications. The LF-3115 covers the frequency range from 33 Hz to 1000 Hz, depending upon the high-frequency system requirements.

The SC-312XC is designed for ease of installation. The HF-75CX1 components come pre-assembled to reduce field assembly time. Three bolts are all that are required to secure the HF-75CX1 to the top of the LF-3115 enclosure.

**Features**

- Passive, 2-way, screen channel system
- SC-312XC provides 90° horizontal by +15° to -35° vertical coverage
- Low distortion waveguide provides highly articulate dialogue
- Shallow depth (20") facilitates installation
## SC-312XC Details

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>SC-312XC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Coverage</td>
<td>90° horizontal × +15 to -35° vertical</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>33 Hz – 16 kHz (-6 dB)</td>
</tr>
<tr>
<td>Impedance</td>
<td>8Ω</td>
</tr>
<tr>
<td>Sensitivity 1 watt/1 meter, half space</td>
<td>95 dB</td>
</tr>
<tr>
<td>Maximum Input Power¹</td>
<td>150 W RMS</td>
</tr>
<tr>
<td>2 hours of 6 dB crest factor pinknoise, 50 Hz – 20 kHz, AES method</td>
<td>33 Hz – 16 kHz (-6 dB)</td>
</tr>
<tr>
<td>Impedance</td>
<td>8Ω</td>
</tr>
<tr>
<td>Recommended Amplifier Power</td>
<td>300 W RMS maximum</td>
</tr>
<tr>
<td>Recommended Processing</td>
<td>Subsonic filter below 30 Hz, &gt; 18 dB per octave</td>
</tr>
<tr>
<td>Connectors</td>
<td>Barrier strip screw terminals accept up to #10 AWG stranded wire</td>
</tr>
<tr>
<td>Transducers</td>
<td>One 15” (381mm) high efficiency, extended bass woofer featuring a 3” copper voice coil</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Quasi B4 alignment, ported enclosure with fully flared Tilt/Pan Bracket ±10° vertical tilt ±10° horizontal pan ports, symmetrical port design, tuned to 36 Hz, constructed of MDF and heavily braced. Features vandal resistant woofer mounting bolts</td>
</tr>
<tr>
<td>Dimensions (HWD)</td>
<td>18.63” x 30” x 20.3” (473.2 mm x 762 mm x 516 mm)</td>
</tr>
<tr>
<td>Weight – Net</td>
<td>83 lb (38 kg)</td>
</tr>
<tr>
<td>System Weight</td>
<td>123 lb (56.4 kg)</td>
</tr>
<tr>
<td>Baffle Cut-Out</td>
<td>35.5” x 32”</td>
</tr>
</tbody>
</table>

¹ Maximum input power tested in accordance with IEC 268-5 recommendations, 50 Hz – 20 kHz band limiting, 6 dB signal crest factor.
Specifications subject to change without notice.