

Singularity M12

Ultra low profile, coaxial, point source stage monitor

Preliminary info

- **Powerfull Coaxial transducer with NdFeB Motor**
- **12" Midbass + 1.4" High Frequency Driver**
- **Ultra low profile design**
- **Low weight**
- **Controlled dispersion**
- **Ultra low distorstion**



The Singularity point source monitor is a bespoke design by Nexus-Acoustics, for use in high-end monitoring applications on medium to large stages. Only the best materials and the latest technologies were used in both the manufacturing process and the design stage of the product.

All Nexus-Acoustics speakers are manufactured by hand, in Romania by a small team of specialized and passionate people. and are the result of many years of real field experience. Nexus-Acoustics started in 2003 by designing and manufacturing custom speaker systems from the ground up for a variety of applications: from small Dj systems to large scale flown point source and line array systems.

The Singularity M12 stage monitor uses a custom made coaxial transducer that is based around a common NdFeB magnetic system. The 12" transducer is built with a special curvilinear cone coupled to a 3" voice coil wound on Kapton.

The compression driver features a non metallic diaphragm that was designed for very linear response with very low distortion. The diaphragm is manufactured using a new composite material based on a resin impregnated cotton fiber dome that is able to withstand rigors of professional sound reinforcement use with ease and offer a cost effective performance equivalent to much more expensive Beryllium diaphragms. The Voice coil is a large format 2.85" (72mm) coupled to a 1.4" exit. The voice coil is immersed in ferro-fluid, which improves linearity and conducts heat away from the voice coil into the magnetic system for efficient dissipation. Both the mid-bass section and the high frequency section feature state of the art demodulating rings for further reduction in distortion and precise control of displacement at high power levels.

The enclosure is built using high quality Birch Plywood and is reinforced using braces in key points. This helps to maintain resonances to a minimum , while keeping the weight as low as possible.

The standard finish is Black water based textured paint. Various other colors are available and can be chosen.

Singularity M12 is ideally suited to applications requiring high sound pressure levels while maintaining sound quality, intelligibility and precise pattern control.

Technical Specifications

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|---------------------|-----------------------|
| Configuration: | 1x 12" + 1,4" Coaxial |
| RMS Power: | 500W |
| Program Power: | 1000W |
| Impedance: | 8 Ohm Nominal |
| Dispersion: | 70x50 Degrees |
| Sensitivity: | 97dB/1W |
| Frequency response: | 58Hz-19000Hz (-6dB) |
| Weight: | 20Kg |
| Dimensions (WxHxD): | 650x330x550mm |
| Material: | 13 Ply Birch Plywood |
| Finish: | Black textured paint |