

# ***Gaussian Surface Radiator™ Loudspeaker Array***



**High End Audiophile Sound Quality**

**Exclusive *Gaussian Surface Radiator™*  
Waveguide-Horn Structure<sup>1</sup>**

**Four-Way Active, DSP in Each Box**

**Maximum Acoustical Power Density**

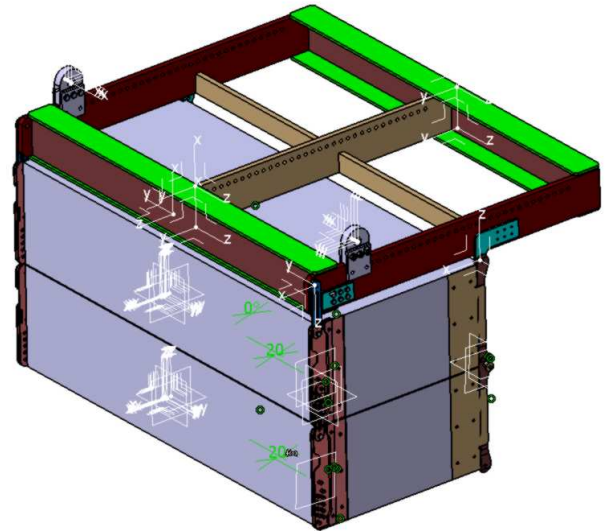
**25Hz-19500Hz ±2dB**

what our new active GSR™ (*Gaussian Surface Radiator*) loudspeaker array place in entirely new category, is an audiophile sound quality to match. Based on the advanced calculation<sup>1</sup>, we carefully integrated specifically designed wave-guide structure into unique horn loading design achieving new standards in sound quality and power output. The most important practical consequences are that sound engineer has no longer to deal with sound reproduction system but is allowed to focus primarily on performers and their music. Whether it is a heavily distorted electric guitar or large scale symphony orchestra, our active GSR™ loudspeaker array will respond equally faithful to the sound source. During every stage of R&D we were fully committed to our objectives. Only the finest available components-materials are used throughout, from audiophile grade AD-DA converters and operational amplifiers to LGC-OFC conductors in wires. Digital amplification (LF 1200Wrms + MF-HF 2500Wrms) is meticulously optimized to produce digital-artifact free, natural "analogue" sound.

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## Features

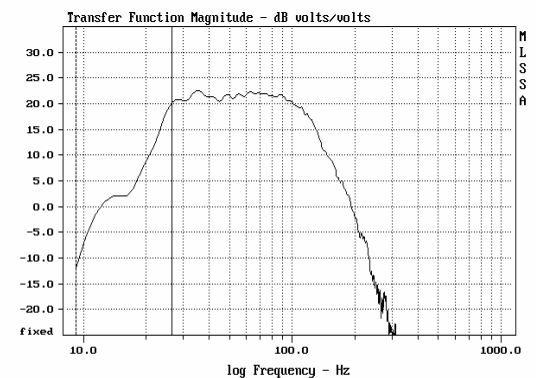
- GSR™ waveguide-horn structure throughout<sup>1</sup>
- Intrinsic acoustical LF directivity and enhanced long throw capability at all frequencies as a result of GSR™ optimization
- Four-way active, DSP in each box
- Analogue and digital inputs (Dante, optional)
- Ethernet DSP control
- Proprietary rigging system
- Power supply, switch mode RF filtered
- High power neodymium transducers throughout
- Forced cooling
- Weather protected power and signal connectors
- Hand-crafted



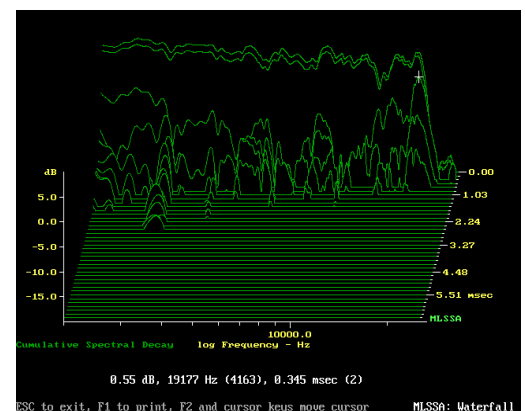
## Technical specifications

Frequency response	25Hz - 19500Hz ± 2dB	
Directivity	H 90deg , V adjustable	
Sensitivity	LF-MF 108dB/W/m , HF 116 dB/W/m	
Total amplifier power	2500W rms LF/MF/HF 1200W rms SUB	
DSP	signal processing	96KHz/48bit
	dynamic range (DRM)	>130dB
	frequency response	2Hz - 45000Hz
	crossover filters type	FIR
	limiter thresholds	rms, peak, temp.
Dimensions:	SUB (W) 90cm x (H) 52cm x (D) 120cm	
	LF/MF/HF (W) 134cm x (H) 32cm x (D) 58cm	
Weight:	SUB	100 Kg
	LF/MF/HF	78 Kg

<sup>1</sup> arXiv:1104.0893 ( <http://arxiv.org> )



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Overlay Calculate Printer DOS Units Library Info Exit  
F1 for Help MLSSA: Frequency Domain



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