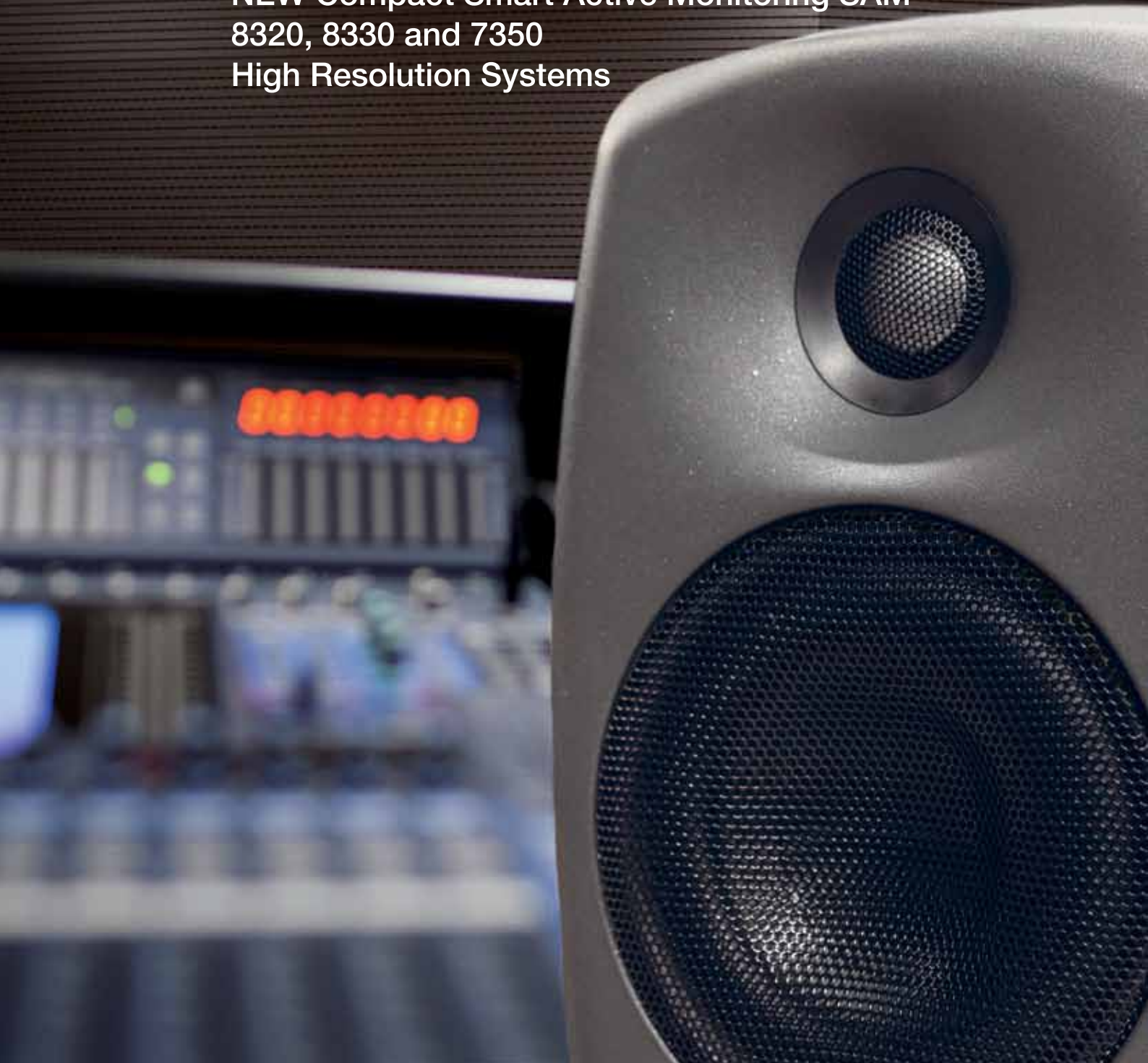


Designed to Adapt

NEW Compact Smart Active Monitoring SAM™
8320, 8330 and 7350
High Resolution Systems



GENELEC®

Genelec's New Smart Active Monitoring Systems

Today's most advanced and flexible monitoring solution for today's most professional users

Genelec's long-standing commitment to providing monitoring solutions for professional applications continues with the introduction of three new compact high resolution products: Smart Active Monitor (SAM™) two-way monitors 8320 and 8330 and a SAM subwoofer 7350. The last decade has experienced a rapid increase in global media content creation, resulting in significant changes in the way network facilities deal with increased workload. Now, more than ever, a growing number of audio productions are done in tighter, more confined working environments.

This increases acoustic problems and lowers the reliability of monitoring. At the same time, a professional audio engineer needs high confidence in his/her monitoring system which should be acoustically adjusted to its environment. In a continuation of eight years of successful and highly appraised Smart Active Monitor and AutoCal™ developments, we are proud to release the new generation of solution-oriented SAM systems, extending our offering to a wider range of facilities of different sizes and business applications.

Small footprint

Our new small die-cast aluminium Smart Active Monitors 8320 and 8330 feature Genelec's Minimum Diffraction Enclosure (MDE™) and advanced Directivity Control Waveguide (DCW™) technologies. The new, very compact 7350 SAM subwoofer features Genelec Laminar Spiral Enclosure (LSE™) design. These products form a trio of high resolution audio monitors that naturally extend downward in size from the established 8240 and 8250 SAM systems. They combine to offer performance never seen or heard before in the audio monitoring business.

Increased performance

The Genelec R&D team has developed highly integrated software and hardware solutions. While the 8320 and 8330 monitors and the 7350 subwoofer may be small in stature, they are outstanding in performance. With their floating point DSP engines for signal processing and Genelec-designed Class D amplifiers, these SAM systems will make you appreciate the forward thinking that makes Genelec the leading benchmark in audio monitoring for broadcast, post-production, and music facilities.

Solutions for small room acoustic challenges

Genelec's SAM technology becomes an indispensable tool when dealing with the challenging reality of small room acoustics. SAM automatically optimizes and aligns each monitor for relative levels, time of flight, as well as the individual room response compensations. So even if the monitors or the production projects move between rooms, you can expect SAM technology to achieve the highest consistency in monitoring, providing a neutral sound stage imaging with low distortion.










Expanding SAM product portfolio

With the inclusion of these new small SAM systems into our portfolio, Genelec now offers a comprehensive, solution-oriented, intelligently networked product range starting with the compact 8320 all the way up to the impressive three-way 1238. Eight SAM bi-amps and tri-amps with four SAM subwoofers support analogue and digital signals in virtually any working environment.

Features and benefits

- Smart active monitors and subwoofers are easy to operate and can adapt to any environment
- GLM computer control allows for repeatable, consistent performance
- The full complement of the Smart Active Monitoring line of products provides high scalability to any size environment
- Complete solution-oriented Smart Active Monitoring systems eliminate guesswork in system configuration and acoustic performance
- GLM network flexibility allows to set up and computer-control up to 30 monitors and subwoofers
- Genelec AutoCal measures the response in the listening area and applies relevant compensation to minimise the room's acoustical influence
- Reducing the perceived differences between listening environments or positions, SAM systems allow for accurate transfer of audio productions between rooms
- In the factory, every single product is calibrated and 100 % evaluated for acoustic performance guaranteeing excellent similarity between products and consistent high performance
- Genelec quality and reliability ensures long term investments and outstanding audio quality

Technical specifications

	8320	8330	7350
	100 dB ¹	104 dB ¹	104 dB ²
	55 Hz – 23 kHz (-6 dB)	45 Hz – 23 kHz (-6 dB)	22 Hz – 120 Hz (-6 dB)
	± 1.5 dB (66 Hz - 20 kHz)	± 1.5 dB (58 Hz – 20 kHz)	± 3 dB (25 Hz – 120 Hz)
	3.0 kHz	3.0 kHz	50 - 100 Hz (in 5 Hz step)
	Woofers 105 mm (4 in) + Tweeter 19 mm (3/4 in) metal dome + DCW™	Woofers 130 mm (5 in) + Tweeter 19 mm (3/4 in) metal dome + DCW™	Woofers 205 mm (8 in)
	Woofers 50 W + Tweeter 50 W	Woofers 50 W + Tweeter 50 W	Woofers 150 W
	H 242 x W 151 x D 142 mm, H 9 1/2 x W 6 x D 5 5/8 in	H 299 x W 189 x D 178 mm, H 11 7/8 x W 7 1/2 x D 7 1/16 in	H 410 x W 350 x D 319 mm, H 16 1/8 x W 13 3/4 x D 12 5/8 in
	3.2 kg / 7.0 lb	5.5 kg / 12.1 lb	18 kg / 39.7 lb
	1 x XLR analogue input 2 x RJ45 control network	1 x XLR analogue input 2 x XLR AES/EBU input / output 2 x RJ45 control network	11 x XLR analogue inputs / outputs 2 x XLR AES/EBU input / output 2 x RJ45 control network

¹ Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured in half space, on-axis, at 1 meter

² Maximum short term sine wave sound pressure level averaged from 30 to 85 Hz, measured in half space at 1 meter



01

02

01 8320 Smart Active Monitor

- 4 in woofer and 3/4 in tweeter
- Minimum Diffraction Enclosure (MDE), die-cast from recycled aluminium
- Directivity Control Waveguide (DCW)
- Genelec quality and reliability

- Balanced analogue input (XLR)
- Networked via GLM 2.0 and CAT5 connections
- Genelec 2 x 50 W Class D amplification
- Universal mains voltage
- Efficient, distortion-free reflex port

02 8330 Smart Active Monitor

- 5 in woofer and 3/4 in tweeter
- Minimum Diffraction Enclosure (MDE), die-cast from recycled aluminium
- Directivity Control Waveguide (DCW)
- Genelec quality and reliability



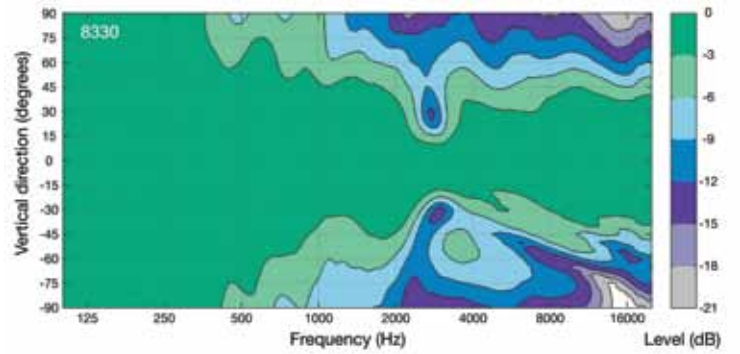
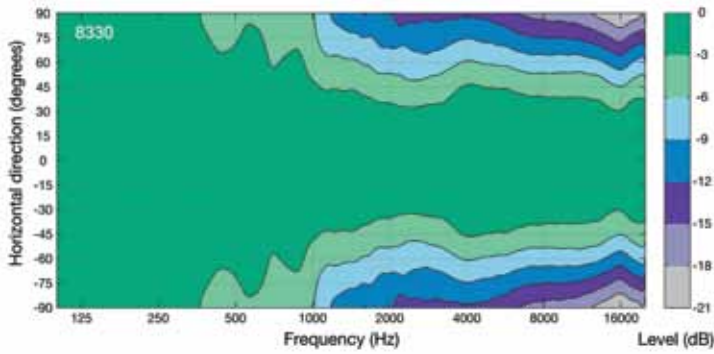
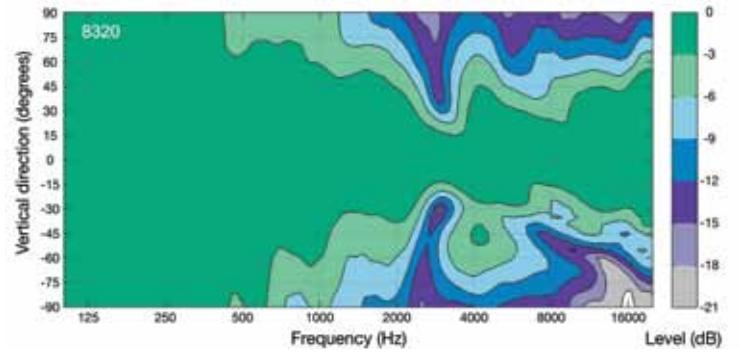
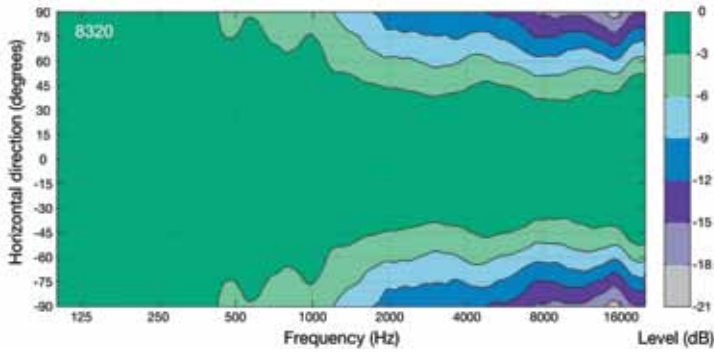
03 7350 SAM subwoofer

- Balanced analogue input (XLR)
- AES/EBU digital input and output (XLRs)
- Networked via GLM 2.0 and CAT5 connections
- Genelec 2 x 50 W Class D amplification
- Universal mains voltage
- Efficient, distortion-free reflex port
- Patented Laminar Spiral Enclosure (LSE) design
- 8 in woofer
- Genelec 150 W Class D amplification
- 5.1 balanced analogue inputs and outputs (XLRs)
- AES/EBU digital input and output (XLRs)
- Networked via GLM 2.0 and CAT5 connections

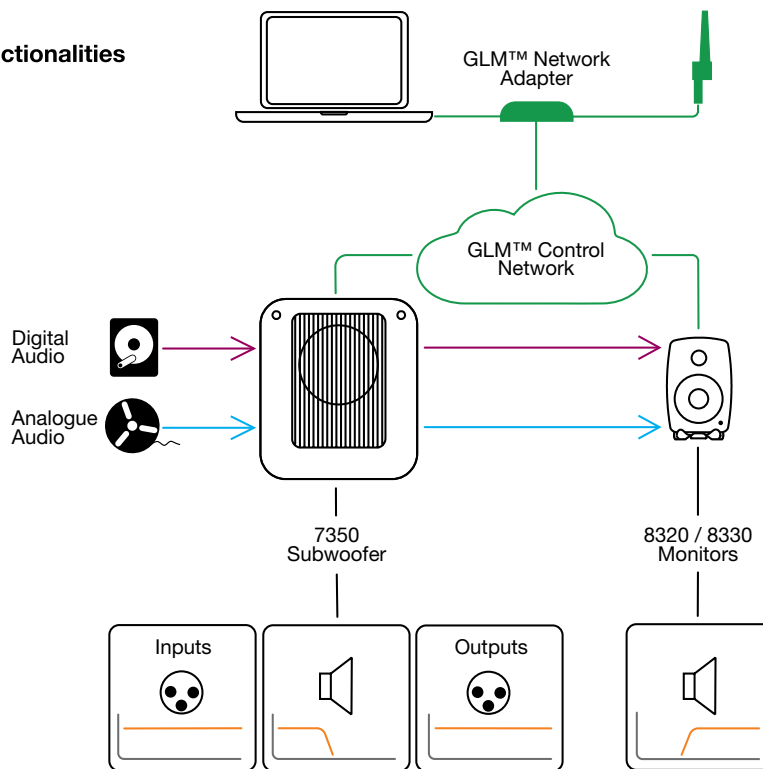
04 System Volume Control

05 Genelec Loudspeaker Manager GLM™ 2.0

- New software with highly graphical user interface
- Genelec AutoCal for automatic adjustments of level, timing and equalisation of room response anomalies
- New Genelec GLM 2.0 microphone and holder
- New GLM 2.0 network adapter supporting wired and wireless volume control



SAM systems' basic connections and functionalities



Genelec Oy
 Olvitie 5, FI-74100 Iisalmi, Finland
 T +358 17 83 881
 F +358 17 81 2267
 e-mail: genelec@genelec.com
 www.genelec.com

