



HK AUDIO

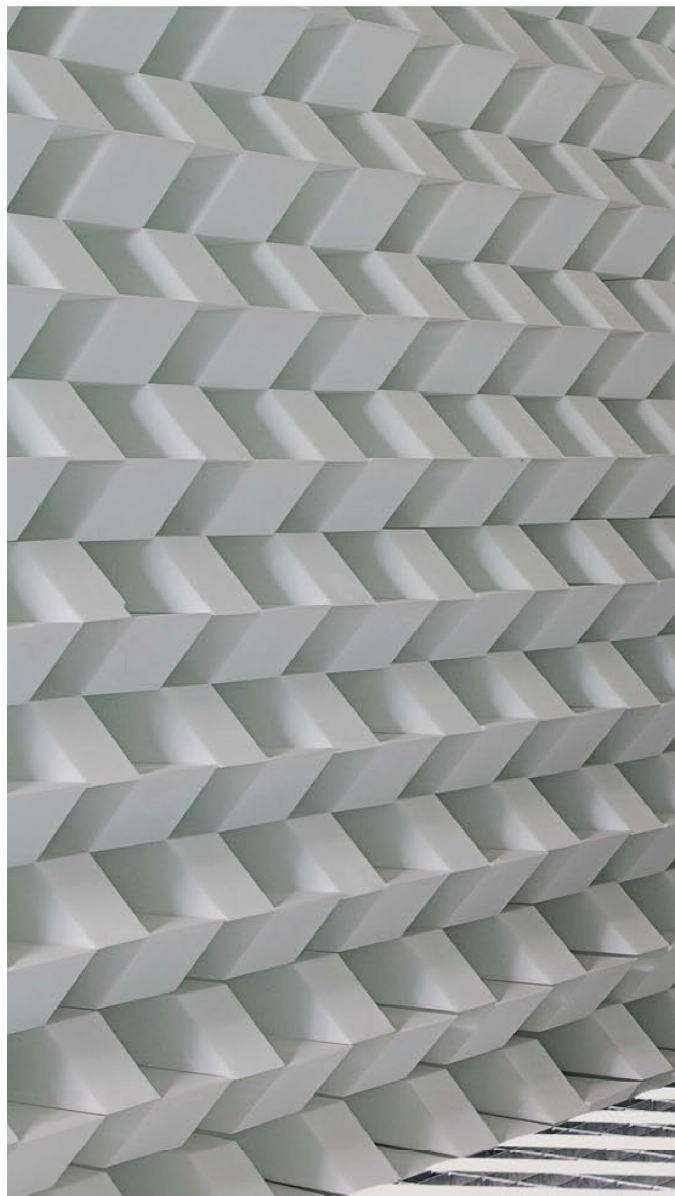


Passion & Innovation

For more than 30 years, we have been on a quest for perfection. We want to put into your hands a PA tailored to fit you and your demands, a sound system that is easy to handle and treats your audiences to a memorable audio experience.

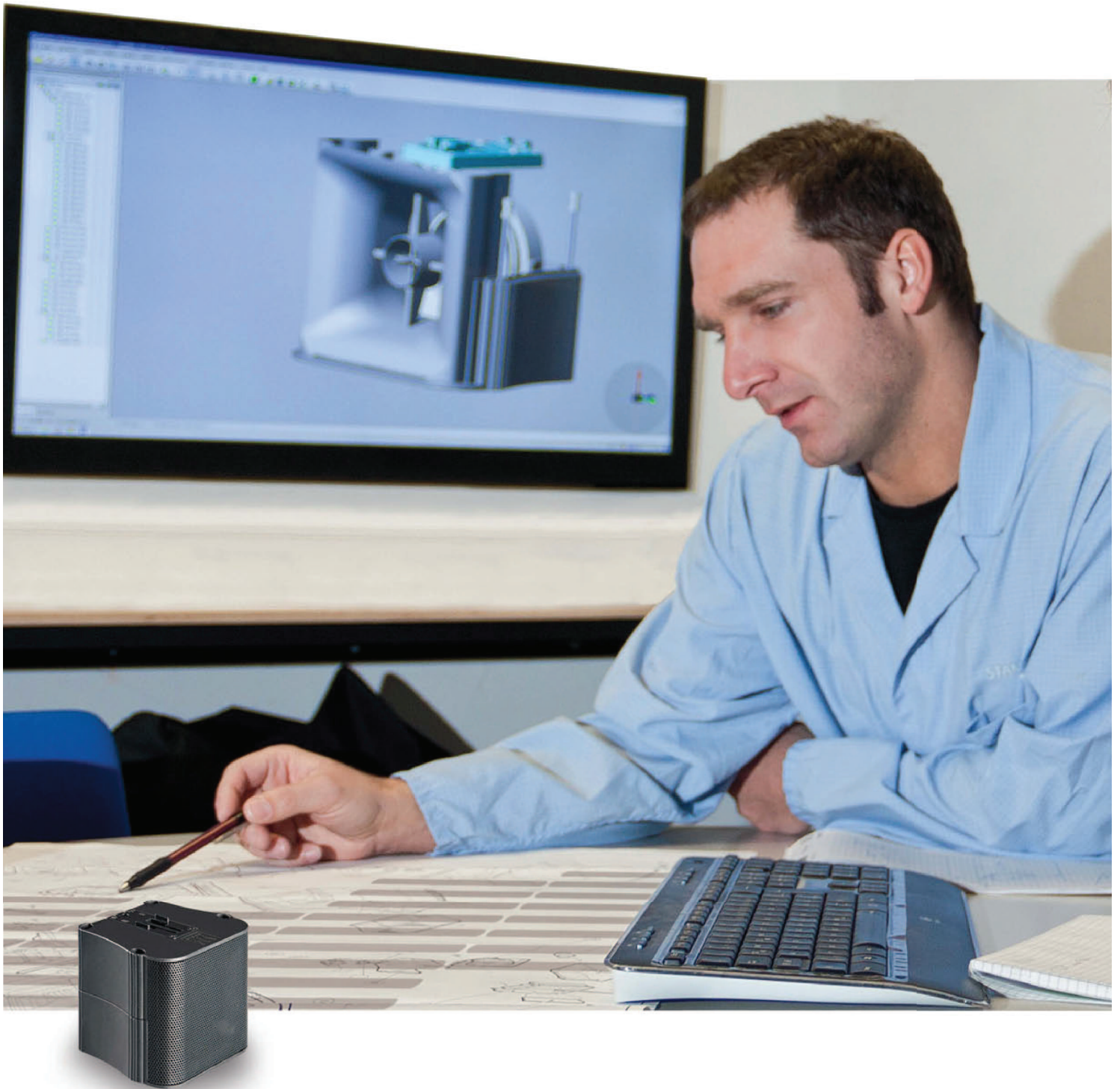
But your demands continue to evolve, and so do our aspirations. Fascinating new technologies, measurement methods and materials beg to be explored, understood and put to use. This journey into the unknown pushes the boundaries of our collective imagination, ignites our engineers' passion and inspires us to aim for the seemingly impossible. And the payoff is enduring, with products that continue to delight you and amaze your audiences.

This passion for engineering and HK AUDIO's trademark natural sound quality is built into all our products. Witness the probably best example, LUCAS NANO 300, perhaps the most eminent addition to the product family. It incorporates everything that made LUCAS a universal synonym for smart sound reinforcement – and then some.



Lothar & Hans Stamer (Founders & CEOs)







Passion for Engineering

We're particularly proud of LUCAS NANO 300. The idea was to get smaller, leaner and lighter without sacrificing spatial depth and volume. We looked to the automotive industry for inspiration, where engineers are squeezing more from less – higher performance and greater efficiency from smaller engines with less HP. The trick is to combine technologies, some of which have been around for decades, in smart, new ways to achieve the performance of a far larger powerhouse.

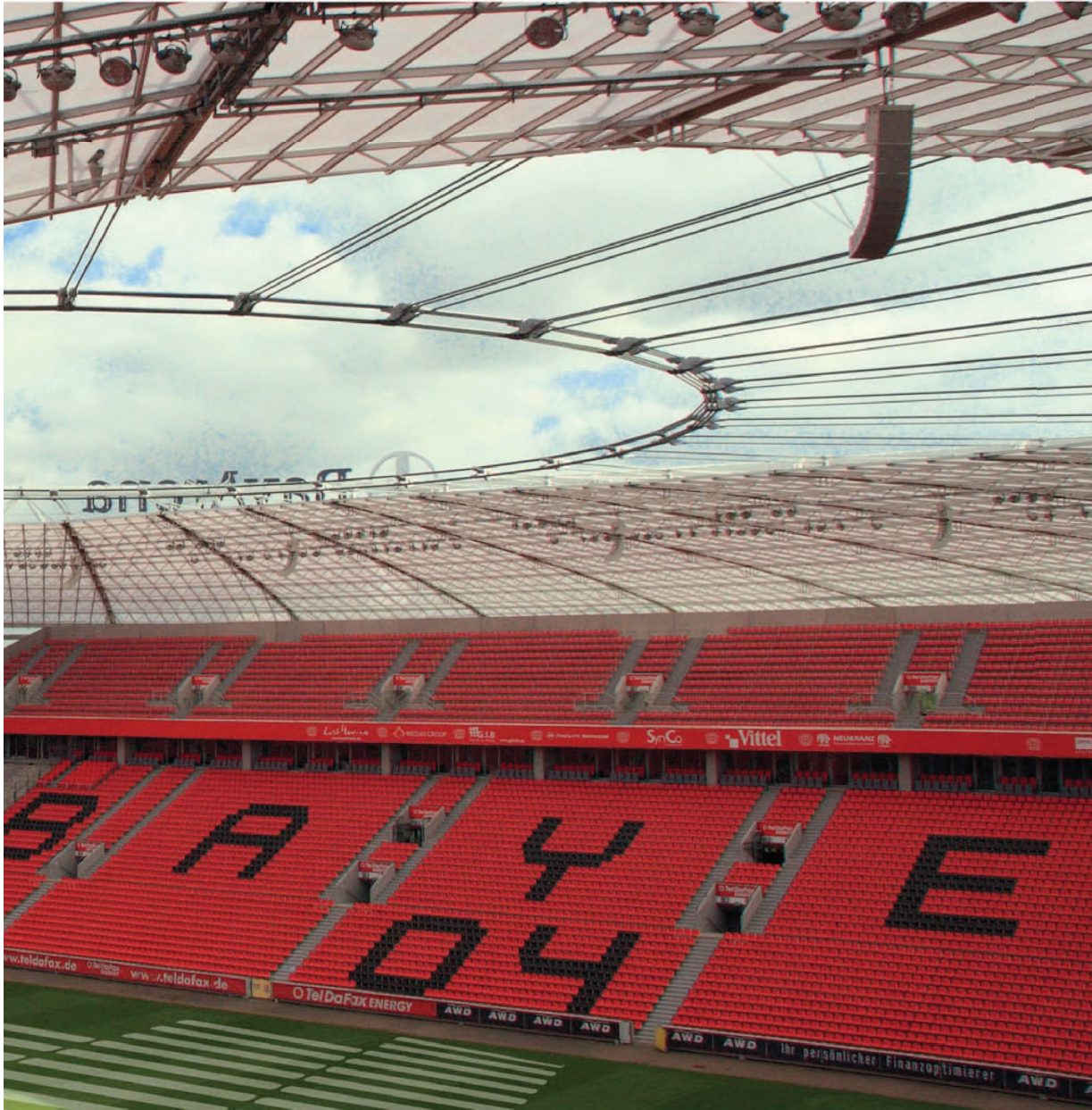
Our developers followed a similar roadmap to arrive at NANO 300. Everything we learned about acoustics over the decades, combined with state-of-the-art measuring and design methods, flowed into its development. The result is an ultra compact system that weighs a paltry 10 kilograms, yet delivers shockingly persuasive audio performance. Seeing and hearing LUCAS NANO 300 in action is a surreal experience. You won't believe your ears and eyes because they're telling you different stories!

You will also be amazed to discover how easy NANO 300 is to transport with one hand. Even the subwoofers' housing is a bit of an engineering marvel: It accommodates a mixing console and power circuitry, provides a transport bay for tucking away the satellites, and even offers a choice of two generously sized, ultra comfortable grips!

And with that, LUCAS NANO embodies everything HK AUDIO has been about from day one – passion and innovation.



CADIS



Top Performance Regardless of Wind and Weather

Versatile Line Array for Installation Indoors and Out

CADIS

CADIS was designed first and foremost to satisfy discriminating expectations for state-of-the-art installations in stadiums, theaters, clubs, and civic centers. It is noteworthy not only for its extraordinary flexibility and sonic performance, but also for the ruggedness of its components. The mid/ high unit sports a housing made of polyamide resin, an especially durable, weatherproof space-age plastic. This resin also happens to be remarkably anti-resonant; hence the units' excellent acoustical properties.

Inconspicuous installation is easy and convenient courtesy of its unobtrusive yet upscale design and the handy three-point rigging system. Black and white models are standard, and versions in any RAL color can be special-ordered. Simulation software and the requisite specifications (Ease Focus 2) are included with the CADIS system.



CAD 208

This mid/ high unit is loaded with two 8" midrange speakers, two 1" high-frequency drivers with a concentric double horn, and a 2.5-way crossover. It handles up to 500 watts and its horns' 100° x 15° throw pattern reaches far and wide. Just eight mid/ high units deliver full-fledged fullrange performance with excellent speech intelligibility down to the last

syllable. The rigging hardware accepts up to 24 CAD 208 mid/ high units to cover larger venues. In the stacked variant, up to eight mid/ high units and two subwoofers may be connected to the rigging frame. Given an HK AUDIO FIRNET Controller and a suitable power amp, the unit readily integrates into networked systems.



CAD 115 SUB

This passive subwoofer sports a high-quality 15" neodymium woofer. Its hair-trigger response and impulse accuracy make it a perfect low-end complement to the CAD 208 mid/ high unit. It may be flown at will and deployed to augment the bass performance of a speech array. A CADIS system with just two subs and four mid/ high units will serve you well as a high-quality fullrange system for smaller venues.

Accessories



CADIS Rigging Frame

This black rigging harness holds up to 24 flown CAD 208 units and, with the connector set, serves as the base for stacked configurations with the CAD 115 Sub. It is TÜV/BGV-C1-certified.



CADIS Connector Frame

This lightweight connector attaches CAD 115 subwoofers to CAD 208 mid/ high units. Up to ten mid/ high units may be installed below a flown CAD 115 Sub bin.



CADIS Wall Mount

The CADIS wall mount consists of a T-shaped yoke and a mounting bracket. Up to four 4 mid/ high units may be mounted to walls at various angles to provide the best possible alignment.



CADIS Ceiling Mount

The CADIS ceiling mount accepts up to three CAD 208 mid/ high units to suspend them directly from the ceiling.



Sub Connector Set

These eight quick-release pins and four connectors attach the rigging frame to a CAD 115 Sub or connect two CAD 115 Subs.



T 1

T-bracket including one attached connector and two quick-release pins for up to four CAD 208s



ST 1

ST1 skate/ carriage for the T bracket with safety eyelet; includes two M10x12 set screws and two M8 screws



Arakno 3D Adapter

3D-adjustable angle adapter, ARAKNO connector with 2 x 20 mm system bolts



MA 1

Connector, system double bolt, stainless steel, D = 20 mm, L = 46.5 mm



MA 2

Pole connector casing with bolt fixture, 36 mm inside, to system bolt, D = 20 mm



MA 3 7,5°

Angle adapter kit, 7.5° fixed; stainless steel with two angle adapters and two 8 x 17 quick-release pins for additional set angles



MA 4

System bolt adapter, 20 mm to M12 female thread, stainless steel



MB 6

Wall-mount bracket with safety eyelet including two M10x12 set screws



MB 7

Ceiling mount accepts the 20-mm system double bolt, including two M10x12 set screws



Touring Case

Safely transports four or eight CAD 208s, with 100-mm Blue Wheels



Dolly

Removable dolly with butterfly latches for the CAD 115 Sub with 100-mm Blue Wheels

Technical Specifications

	CAD 208		CAD 115 Sub
Frequency response +/- 3 dB	75 Hz/100 Hz – 18 kHz (depending on controller & length)	Frequency response +/- 3 dB	47 Hz – 150 Hz
Axial sensitivity, 1 W @ 1 m*	101 dB	Frequency response -10 dB	42 Hz – 150 Hz
Max. SPL @ 10% THD (4 x CAD 208)	136 dB	Axial sensitivity 1 W @ 1 m*	102 dB (50 Hz- 200 Hz)
Nominal impedance	8 Ω	Max. SPL	128 dB (60 Hz – 150 Hz)
Power-handling, nominal	250 W RMS, 500 W program	Max. SPL peak	131 dB (70 Hz – 90 Hz)
Speakers	2 x 8" Speaker	Max. SPL calculated	135 dB (2,400 W Peak)
HF driver	2 x 1"	Nominal impedance	8 Ω
Directivity	100° horizontal, 15° vertical	Power handling	600 W RMS
X-over frequency	1.8 KHz, 12 dB/octave	Speaker	1 x 15" neodymium woofer
Connectors	2 x Speakon NL 4 (standard), external terminal (optional), PG gland, internal terminal (optional)	Connectors	2 x Speakon NL 4
Housing	Polyamide	Housing	18-mm birch plywood
X-over	2.5 passive	X-over	Via external controller
Filter	X-over controller	Finish	Black or white, further RAL colors optional
Finish	Black or white, further RAL colors optional	Grille	Metal
Grille	Metal	Rigging hardware	4 fly tracks
Rigging hardware	Integrated 3-point	Weight	38 kg, 83.8 lbs
Adjustable curving angles	0°, 1.5°, 3°, 4.5°, 6°, 7.5°, 9°, 10.5°, 12°, 13.5° 15°	Dimensions (W x H x D)	58.3 x 57.3 x 64 cm
Weight	17.5 kg passive, 16.4 kg tri-amped (without internal passive x-over)		
Dimensions (W x H x D)	57.8 x 23.8 x 37.3 cm		
Max. number of enclosures per array	Up to 24 x CAD 208		

* half-space



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