DIGITAL VERTICAL STEERABLE ARRAY

RCF's VSA 2050 runs new generation of digital audio technology

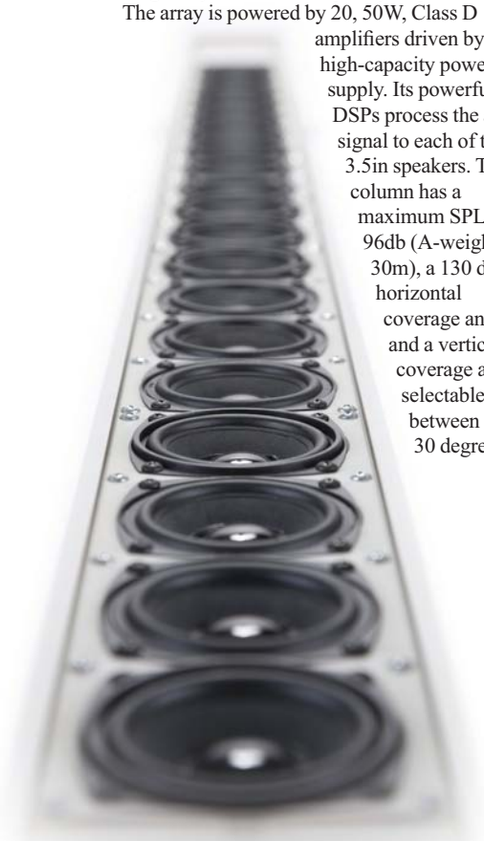
Even in the most extreme of steerable positions, the VSA 2050 meets full RASTI standards for voice alarm applications and the system is fully compliant to EN 60849

The VSA 2050 column speaker uses the latest DSP technology to match the audio it's delivering with a specific listening area. This makes it the ideal speaker for indoor installations where acoustics are critical – from churches and auditoria, convention centres and sports centres.

The VSA 2050 processes the audio signal sent to each speaker, controlling its vertical acoustic dispersion. This avoids sending acoustic energy to ceilings and empty floors. The VSA uses state-of-the-art transducers which offer the highest possible intelligibility and wider frequency response.

The array is powered by 20, 50W, Class D amplifiers driven by a high-capacity power supply. Its powerful DSPs process the audio signal to each of the 20 3.5in speakers. The column has a maximum SPL of 96db (A-weighted at 30m), a 130 degree horizontal coverage angle and a vertical coverage angle selectable between 10 and 30 degrees.

10 VSA 2050 have recently been installed in San Marco Church in Venice, Italy.



Because the speaker column is steered electronically, it can be mounted completely vertically to the wall so that in a large project it becomes almost unnoticeable.

Operating in both 115/230V AC modes and in 24 DC as a back-up power source, the power supply has been regulated and is equipped with active protection against over-voltage and over-current.

Setting up the column is a very simple operation. It can be done using an infrared VSA-RC remote control. In seconds this allows you to virtually tilt down and shape the acoustic beam while the column speaker is physically installed in a vertical position. Full software control is available via PC

The array is being supplied in a standard colour of RAL 9002; other colours are available on request (depending on the size of the project).

The installation is particularly simple thanks to the drilling template on the wooden package and the weight - only 20 Kg. Additional brackets are available on request if the column has to be oriented horizontally.

The San Marco Church in Venice is the latest to install the technology. In the near future RCF will release two new VSA models: The VSA 1250 that includes 12 individual amplifiers and the VSA 850, with eight. ■

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