

Intellivox DDC

Taking sound further

Bosch Security Systems
For more information please visit
www.boschsecuritysystems.com

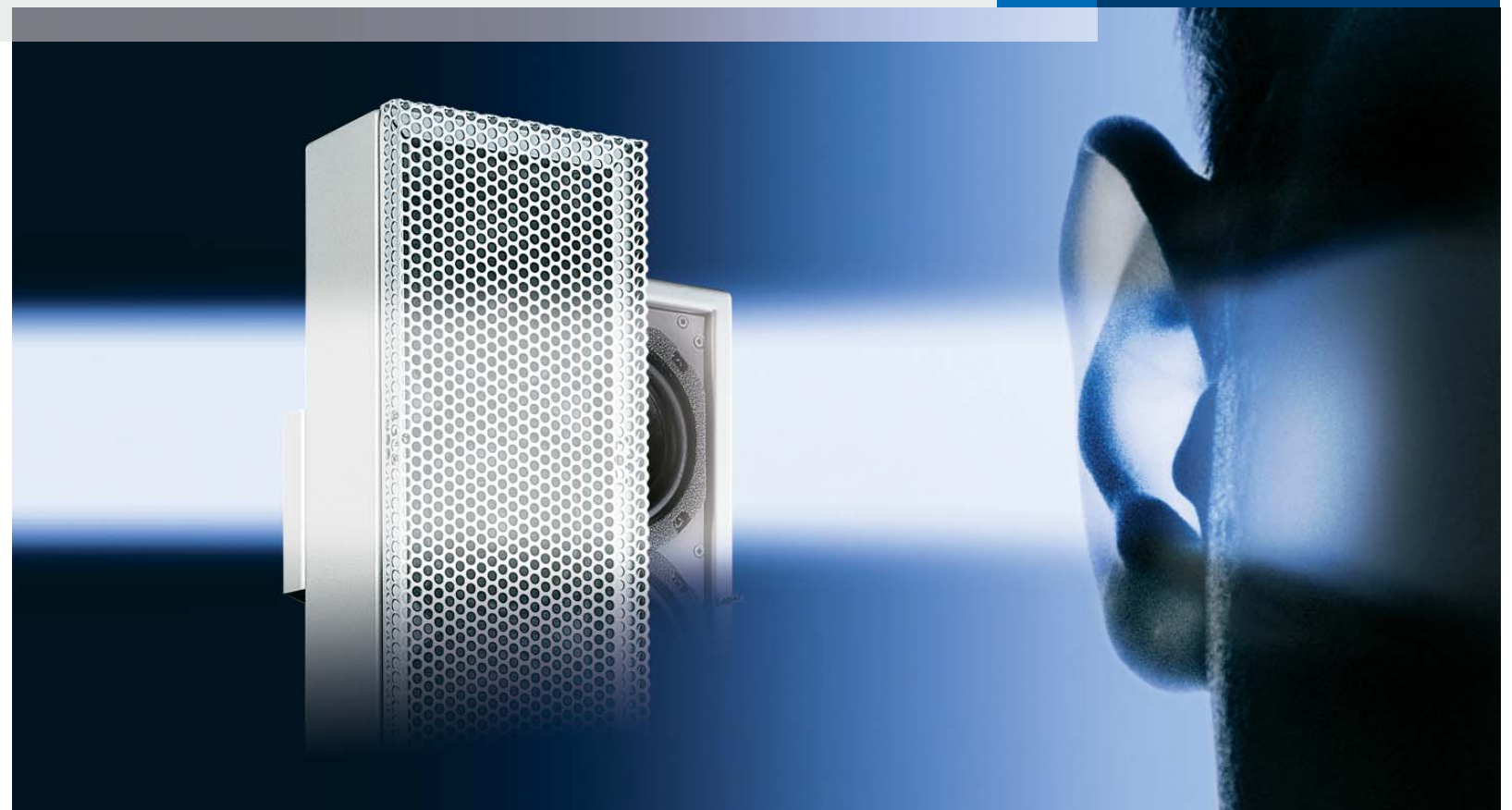


Security Systems

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Tradition of quality and innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, social alarm, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.



Communication you can rely on

BOSCH

Communication you can rely on

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No acoustic challenge too difficult

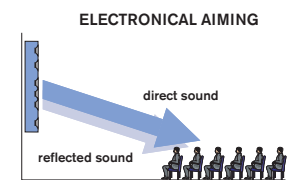
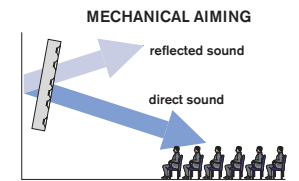
- Unrivalled intelligibility of speech and music
- Unique software control allows directing and 'shaping' of sound
- Active loudspeakers - integrated power amplifiers and equalizers
- Integrated remote monitoring
- Even coverage of the listening area with natural sound
- Just a few loudspeakers required to cover large venues
- Unobtrusive design - can be mounted flat against or flush-mounted into a wall
- Cost-effective

With the Intellivox DDC range of active line array loudspeakers, no acoustic challenge is too difficult.

The attributes of these unique loudspeakers can be adjusted by software to match any environment with 'tailor-made' audio. This unique capability leads to exceptional speech intelligibility - the best there is. Loudspeakers up to almost 5 m in length are available, offering an extremely long throw, so just a few are needed for even the largest of buildings.

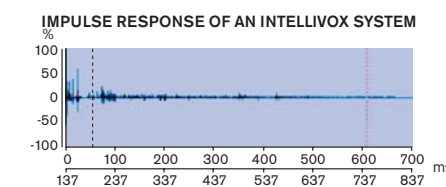
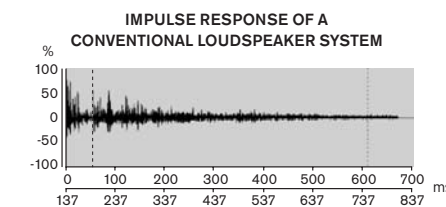
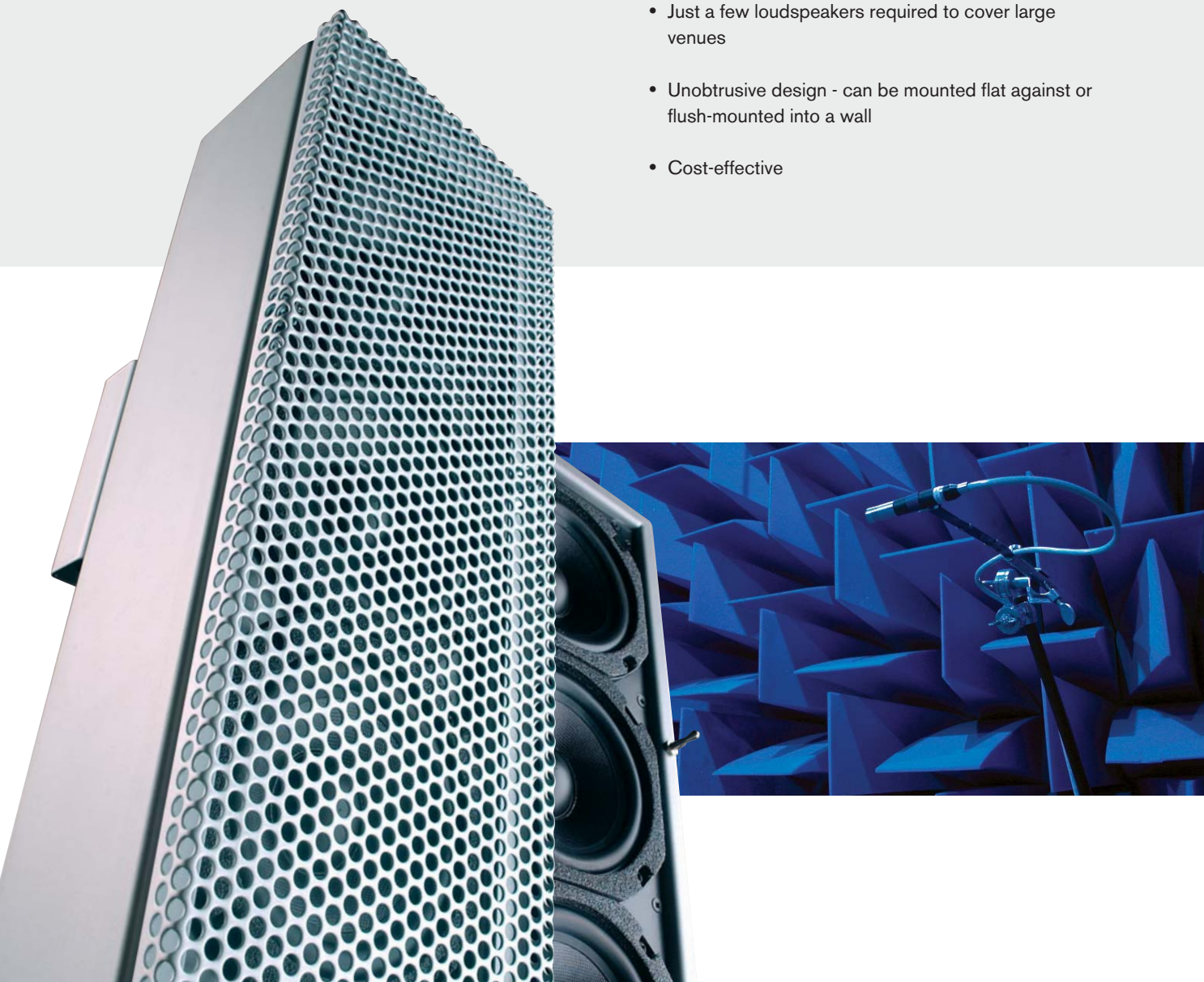
And, unlike any other line array speakers, the Intellivox can be set up flat against a wall or flush-mounted into a wall for extra aesthetic appeal. With this family of amazing loudspeakers, Bosch Security Systems really is taking sound further.

Intellivox DDC Loudspeakers improve sound quality for the listener in a number of ways:



Digital Directivity Control:

With Intellivox DDC, the sound direction is adjusted electronically (and not by altering the mounting angle). This means the loudspeaker is mounted flat against the wall, as a bonus, reflected energy is directed towards the listening area, increasing intelligibility.



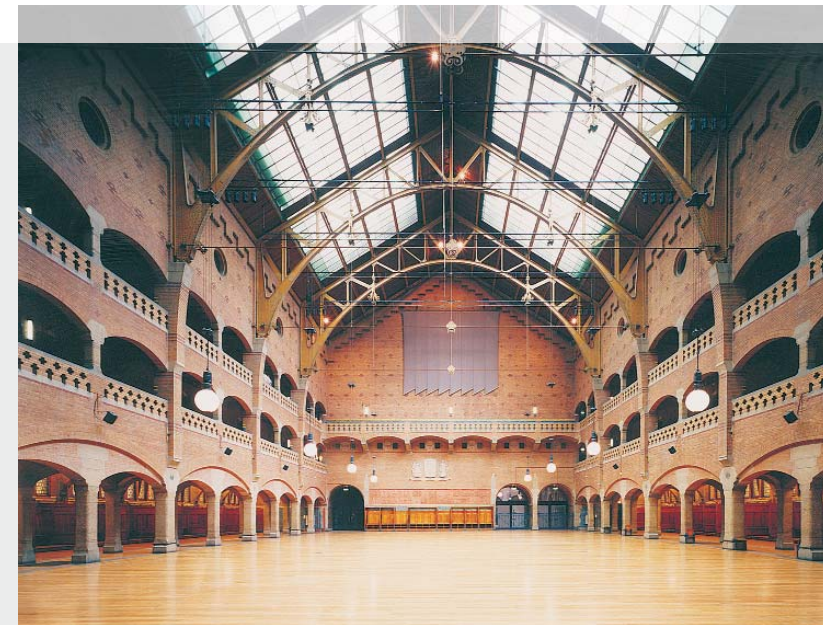
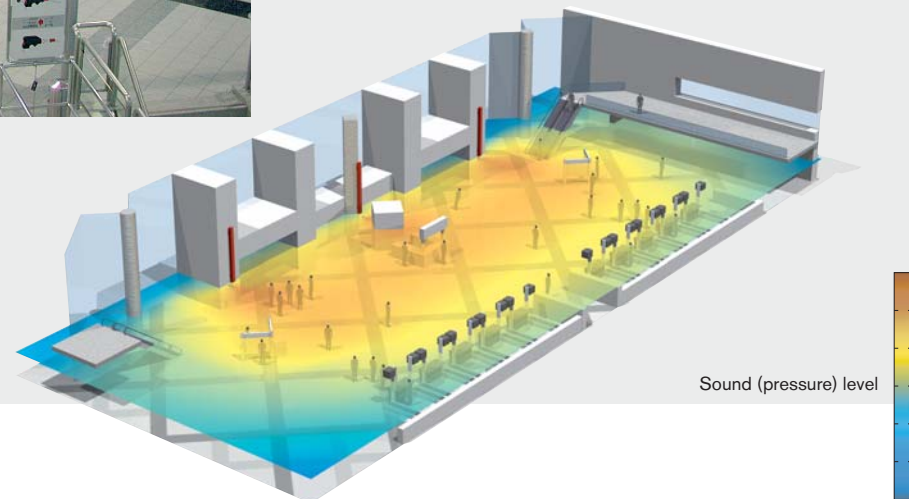
Superior direct/reverberant sound ratio:

The same sound can reach a listener at different times due to reflections or because there are multiple sound sources. Acoustic information received within 50 ms contributes to clarity and speech intelligibility, and anything received thereafter adds to the reverberant sound level. The ratio between the two is the key determinant for speech intelligibility, and is maximized with Intellivox. Fewer loudspeakers are therefore better.

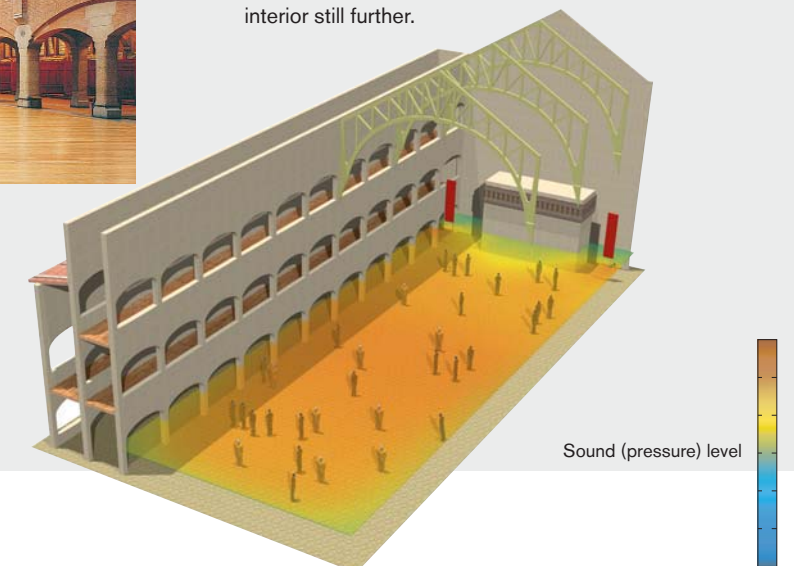
Sound you can shape



Transport terminals pose a considerable acoustic challenge. There is background noise, people are on the move and not listening attentively, and sound has to travel long distances. Yet the information being broadcast is of vital importance. Intellivox DDC Loudspeakers provide the best intelligibility there is, and can be used in even the largest of halls. Being part of a voice evacuation system, they also play a vital role in the event of an emergency. No wonder they are already installed in a number of the world's major airports



In large venues, the distance between loudspeakers and listeners and reverberation make it difficult to understand announcements clearly. Intellivox DDC Loudspeakers can be configured by software for even the most complex acoustic environments. They provide excellent clarity from a minimum of speakers; just one or two are required to cover this entire 1000 m² historical hall. And vertical mounting on walls minimizes the visual impact on any interior still further.



Intellivox DDC Loudspeakers incorporate an extraordinary feature known as Digital Directivity Control. Each individual loudspeaker driver in the line array is DSP-controlled (Digital Signal Processor). This allows loudspeaker characteristics to be shaped by means of software to match the requirements of the venue. This is unique, very flexible and extremely efficient: what can now be achieved by clicking a mouse would otherwise take a great deal of physical adjustment, and necessitate additional speakers.

In addition, the loudspeaker's status is continuously monitored, diagnosed and reported by software. The use of state-of-the-art class-D amplifiers guarantees efficient and reliable operation.

Greater listening comfort

You notice the superior audio performance of Intellivox DDC Loudspeakers in many ways.

- Remarkably clear, natural sound with unrivalled intelligibility of both speech and music.
- Greater coverage - reaching more people with perceptual perfect sound because of the long loudspeaker 'throw'.
- Even sound distribution throughout the entire listening area: not too loud near the loudspeakers, not too quiet far away, and all relevant frequencies throughout the listening area.

It all adds up to much greater listening comfort - even in bustling, noisy environments you never have to strain to hear what is being broadcast.

Heard but not seen

Software control of sound shaping brings another significant advantage. The Intellivox DDC Loudspeakers are mounted flat against a wall, or even in a recess (flush mounted). In this way they can be seamlessly blended into any interior design. With their neutral silver finish they also help add a touch of high-technology elegance wherever they are installed.

Design, installation and maintenance support

Bosch Security Systems offers you the assurance of an extensive support program. Certified dealers, fully trained in the advanced Intellivox DDC technology, can help design, install and maintain your system. In addition, Intellivox DDC Loudspeakers are supported by the well-established Ease® and CATT-Acoustic® acoustical simulation packages. This gives you the convenience of "hearing" your superior sound before rather than after installation.

Complete Public Address solutions

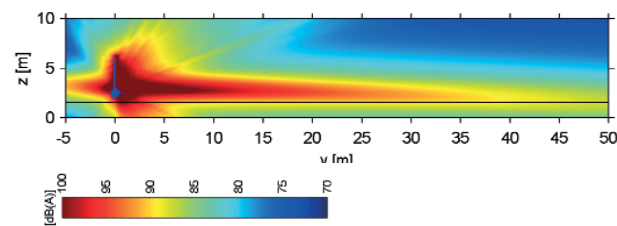


Problem-free performance

The Intellivox DDC are the latest generation of Bosch Security Systems line array loudspeakers and guarantee long, problem-free operation as all our loudspeakers are built to last for decades. And you always have the backing of more than 50 years experience in electro-acoustic technology and innovative public address solutions.

The natural choice

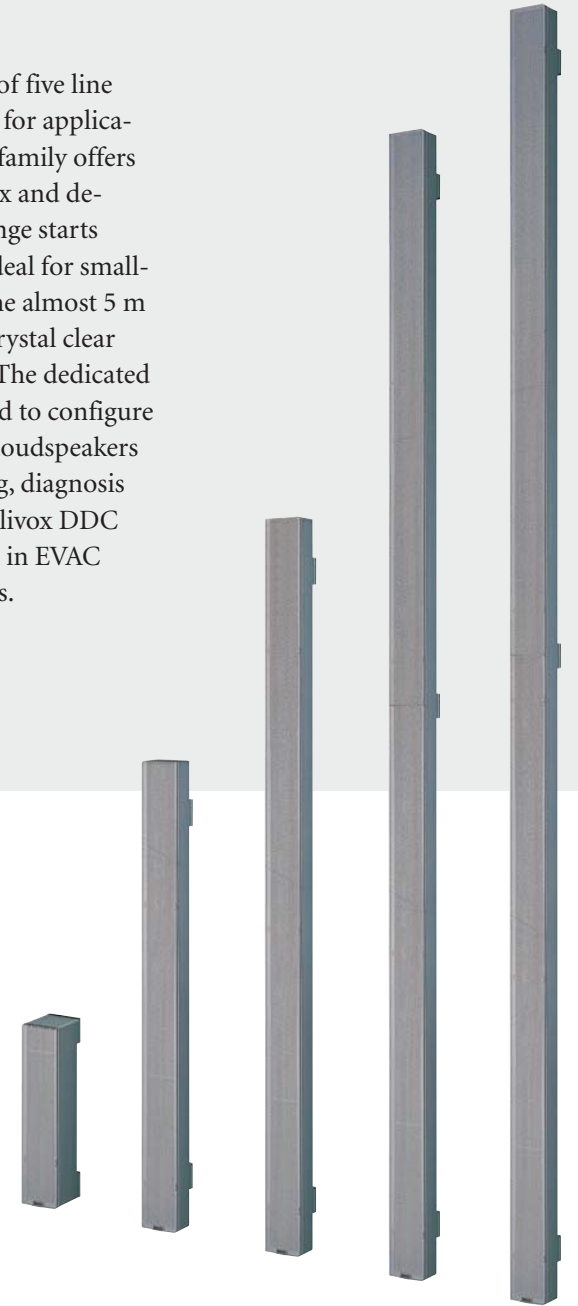
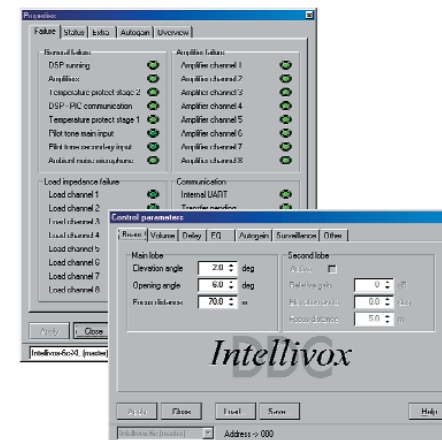
The Intellivox DDC Loudspeakers are only one part of the comprehensive Bosch Security Systems public address range. The XLA 3200 series of passive line array loudspeakers also offer very accurate sound directivity and excellent clarity. Together with cabinet, column, horn and ceiling loudspeakers, plus sound projectors and accessories, they offer an extensive choice. The Praesideo Digital Public Address/Emergency Sound System provides amazing versatility in message processing and transmission, while the Plena range is a truly comprehensive public address solution. There are also digital signal processors, other amplifiers and management systems, and a complete range of microphones and accessories. Add to this our in-depth applications expertise and global support network, and it's easy to see why Bosch Security Systems is the natural choice for complete public address solutions.



In this cross section of an Intellivox DDC, the controllable elevation angle and very small vertical opening angle are clearly depicted.

Family of solutions

The Intellivox DDC family consists of five line array loudspeakers, each specialized for applications of different size. Together this family offers a solution for even the most complex and demanding acoustic challenge. The range starts with the 67 cm long Intellivox-1b, ideal for smaller venues, and extends right up to the almost 5 m long Intellivox-6c, which provides crystal clear sound in even the largest of spaces. The dedicated WinControl software package is used to configure the acoustical characteristics of the loudspeakers as well as for continuous monitoring, diagnosis and reporting of system status. Intellivox DDC Loudspeakers are also a key element in EVAC compliant sound emergency systems.



Unique software control of Intellivox DDC Loudspeakers allows installers to 'shape' the sound by setting elevation, vertical opening angle and focus distance. System status is continuously monitored.