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, 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.

DCN Conference Systems
The art of congress

Security Systems

The DCN

BOSCH

Communication you can rely on

BOSCH

Communication you can rely on

Distinctive

The DCN Concentus from Bosch is the distinctive new face of digital congress management.

It creates a real sense of harmony with even the most luxurious congress venues. In fact the name Concentus is Latin for 'harmony'. This is also reflected in the even, clear sound from its loudspeaker and the balance it strikes between innovative design and advanced performance. It also offers inherent ease of use. There is simply nothing else like it.

Everyone in the congress chain – from venue managers and local governmental heads through consultants and installers to end-users – can enjoy the benefits. Like all Bosch DCN (Digital Congress Network) products, the Concentus guarantees reliability and compatibility during congress preparation, control and participation.

With the Bosch DCN Concentus you can relax. Your meeting is in good hands.
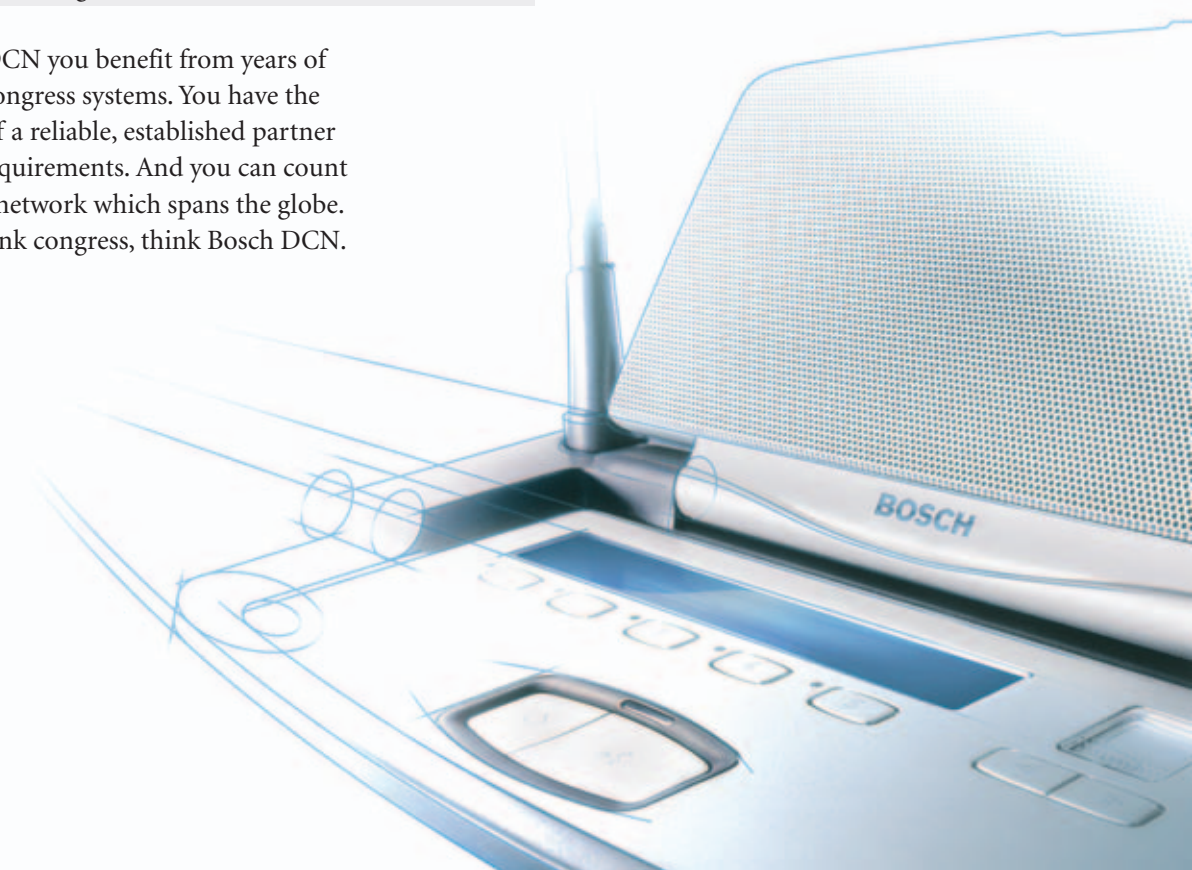
Sophisticated

Even just opening the ingenious cover creates that feeling of dealing with something special. A perfect mix of design and technology: sophistication in looks and performance.

The intuitive layout of the sleek control panel has an instantly familiar feel. And the application of advanced acoustical and display technology makes it easy to hear - and read – exactly what's going on. All of this puts users at ease, and in control. And that's good news for your business.

Solid

The original Bosch DCN was the world's first fully digital congress system, bringing real freedom from interference while offering installation simplicity and convenience. The new DCN Concentus is the latest addition to this successful range.

With Bosch DCN you benefit from years of expertise in congress systems. You have the reassurance of a reliable, established partner for all your requirements. And you can count on a support network which spans the globe. When you think congress, think Bosch DCN.
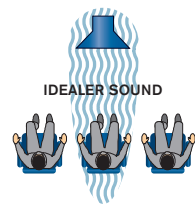
Superb acoustical performance

The flat panel loudspeaker catches the eye and also pleases the ear. Its significantly increased acoustic performance improves intelligibility while reducing feedback, resulting in excellent sound quality even in noisy environments. This, for instance, makes it much easier to identify the speaker purely by voice.

Greater visibility and flexibility in information display

The DCN Concentus has a graphical LCD screen which really improves legibility. All standard Windows characters can be shown, so information is available in even complex European languages or icon-based scripts like Chinese. The display is also backlit, ideal for situations with poor or bright lighting.

Simple creation of even the most advanced network

The DCN's emphasis on standard connection greatly simplifies system expansion. All DCN elements use the same cabling, so adding elements or changing the configuration is easy and uncomplicated. This allows a system and its functionality to be easily matched to the exact needs of a specific venue. Operation and control actions are the same regardless of system size, an important benefit for system operators and users alike.

TRADITIONAL
CONE
SPEAKER

DCN CONCENTUS
FLAT PANEL
SPEAKER

• Very directional at high frequencies
• Limited frequency range
• Susceptible to acoustic feedback

• Constant directivity at all frequencies
• Superior sound coverage
• Greatly reduces acoustic feedback
• High-quality reproduction

IDEALER SOUND

IDEALER SOUND

GOOD SPEECH INTELLIGIBILITY
FOR ONE PERSON

GOOD SPEECH INTELLIGIBILITY
FOR THREE PEOPLE

The loudspeaker uses revolutionary acoustical technology to create constant directivity at all frequencies, as well as a very wide listening angle. The result has to be heard to be believed.
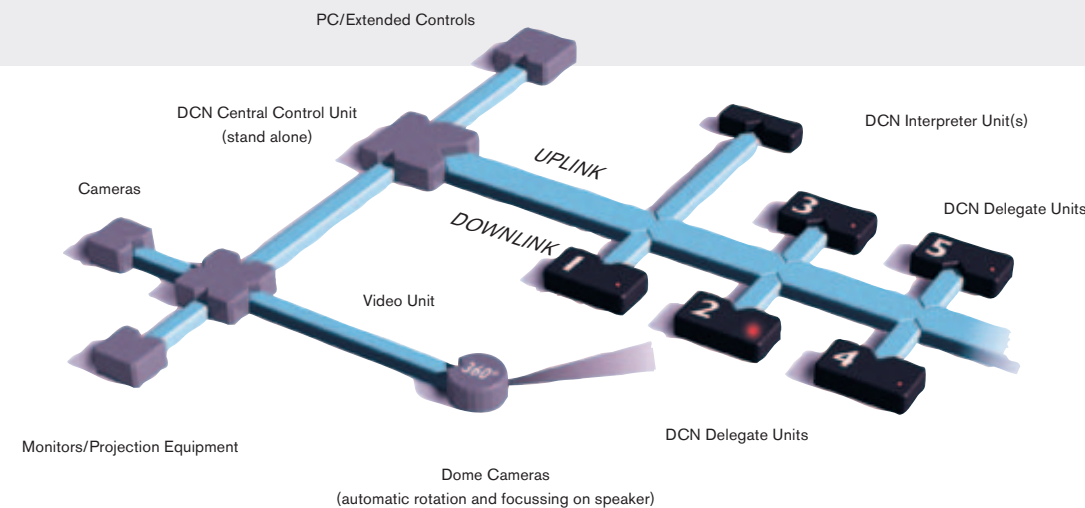
PC/Extended Controls

DCN Central Control Unit
(stand alone)

DCN Interpreter Unit(s)

Cameras

UPLINK

DOWNLINK

DCN Delegate Units

Video Unit

Monitors/Projection Equipment

DCN Delegate Units

Dome Cameras
(automatic rotation and focussing on speaker)

Digital versatility in conference management
The Bosch DCN has already earned global
recognition for its versatility, and the DCN
Concentus continues the tradition. It provides
integrated digital conference management for
all occasions, from small discussion groups right
up to international, multi-lingual congresses
with thousands of delegates. It is compatible
with all existing DCN products, and its clever
design allows it to be used both table-top or
flush mounted.

On its most basic level it gives delegates
facilities for speaking and listening. It also pro-
vides a complete range of microphone control
possibilities, which brings structure and order to
meetings. Yet it offers much, much more as
well…

Simultaneous interpretations for international gatherings

The DCN system provides comprehensive facilities for generating and distributing simultaneous interpretations to conference participants. The DCN can handle up to a maximum of 15 simultaneous interpretation language channels (30 on request), plus the floor language - more than enough capacity for even the largest international conference.

Versatile voting functions

The standard DCN hardware has integral parliamentary-style voting facilities, and special dedicated voting software allows considerably more, including audience response, multiple choice and rating voting. Scripts can be prepared in advance, and results can be displayed in the conference venue. In every mode, the chairman or operator can start, stop and suspend voting as required.

```
14:28      RESULTS
TOTAL          160
YES            110
NO              30
ABSTAIN         12
NOT VOTED        8
```

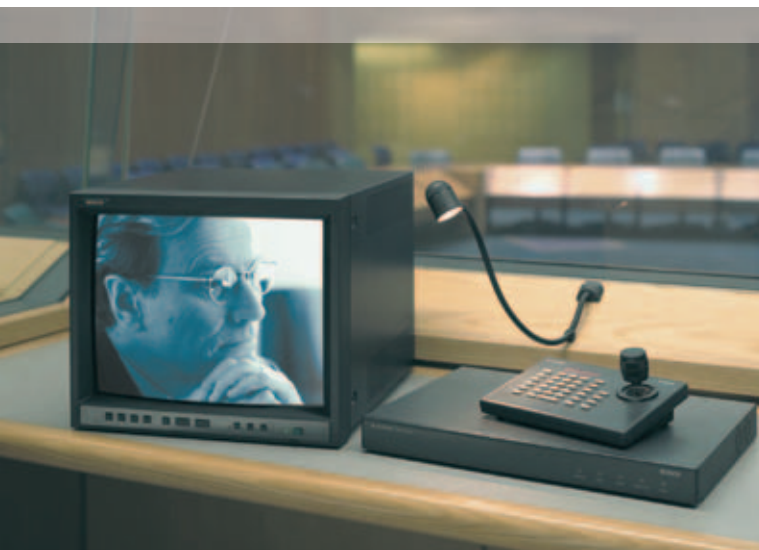**Identification and access control**

The DCN enables a simple means of delegate registration. Conference participants can register their presence using an ID card, either on the microphone (contribution) unit itself or at the conference venue entrance, or by pressing a key on the unit. This can be extended to provide access control, whereby delegates cannot access certain microphone unit functions unless they satisfy requirements such as presenting an ID card and/or entering a PIN code.

Choice of language distribution

The interpreted languages are distributed through the system cable as standard, so no extra connection is required.

Integrus is a wireless language distribution system, so conference delegates can enjoy complete freedom of movement while listening to the language interpretation of their choice. And infra-red transmission guarantees privacy, as signals do not pass through walls or ceilings. The most remarkable aspect of the Integrus is its complete immunity to interference from lighting systems. The inherent high security of the DCN is maintained, since the infra-red signals cannot pass through the walls of the room.

**Camera control - an extra dimension
in conference systems**
By integrating camera control, it is now possible
to display an image of the speaker on TVs, other
monitors and projection screens in the lobby,
interpreters booths, hotel rooms and anywhere
else required. The speaker's name, plus additional
information, can also appear on screen. What's
more, camera control is fully automatic - no
operator is required. This visual dimension
helps generate interest, concentrate attention
and spread information.

A choice of control possibilities
The central control unit (CCU) provides much
of the DCN's integral functionality, including
microphone management, interpretation distri-
bution and electronic voting. It also interfaces
with external equipment like public address
systems, information displays, language distri-
bution systems and recording equipment.

**Software simplifies operation and
extends functionality**
The full capabilities of the DCN system are truly
realized with PC control. A complete family of
dedicated DCN software modules deals with
virtually all aspects of conference management
and control. This means increased functionality
and ease for the operator, and a more multi-
dimensional, efficient conference for delegates.

Conference control can be concentrated in a
single PC, or distributed over multiple PCs to
allow monitoring or delegation of tasks.
Pre-conference activities – like encoding delegate
ID cards or writing scripts for voting - are also
simplified, and even post-conference adminis-
tration like sending voting results is facilitated.
An open RS232 interface allows connection to
external customized control devices such as
touch screens and synoptic microphone panels.

Standard delegate unit

Delegate unit with channel selector

Delegate unit with channel selector,
LCD display and ID card reader

Chairman unit with channel selector,
LCD display and ID card reader