

Bosch solutions for reliable courtroom recording

- ▶ Two unique solutions for courtroom environments
- ▶ Basic to enhanced solutions
- ▶ High-quality audio and video
- ▶ Digital recording facilities
- ▶ Advanced, patented Bosch technology
- ▶ Attractive, ergonomic design



BOSCH

Invented for life



Courtrooms

In courtrooms, it is vital that audio is recorded and distributed precisely and efficiently. Everyone, including the judge, the jury, the prosecution, the defendant, and the witnesses, must be recorded accurately for subsequent playback and dictation. Many situations require recordings over individual channels. Sound quality is extremely important since there can be no doubt as to what has been said. Amplification may also be required, so that the audience and media can follow proceedings. In some trials it is necessary to display the person speaking on a large screen, for easier viewing, or there may be a need for video conferencing, especially when a defendant or witness cannot attend in person. In international courts, interpretation services allow all participants to follow proceedings in their own language.

Audio and video solutions from Bosch

To meet the needs of every type of courtroom environment, Bosch offers two professional systems. When only basic functionality is required, the CCS 900 Ultra Discussion System is a cost-effective management and recording solution. For more advanced functionality, the DCN Next Generation System offers a total solution, providing high-quality audio management, recording, interpretation, language distribution, and automatic camera control.



Basic System

- 1 CCS 900 Ultra Control Unit with MP3-recording
- 2 CCS 900 Ultra Chairman Unit
- 3 CCS 900 Ultra Delegate Unit
- 4 Plena Mixer Amplifier 120W
- 5 XLA 3200 Line Array Speakers 60W

Optional

- 6 DCN Meeting Recorder Software on PC
- 7 DCN Transcription module & foot pedal
- 8 Telephone conferencing interface

Cost-effective solution with the CCS 900 Ultra Discussion System

- ▶ Basic audio management
- ▶ Easy to operate
- ▶ Built-in digital MP3 recording and playback
- ▶ Built-in digital acoustic feedback suppressor
- ▶ Teleconferencing support
- ▶ Expandable with optional wired/wireless handheld microphones for audience

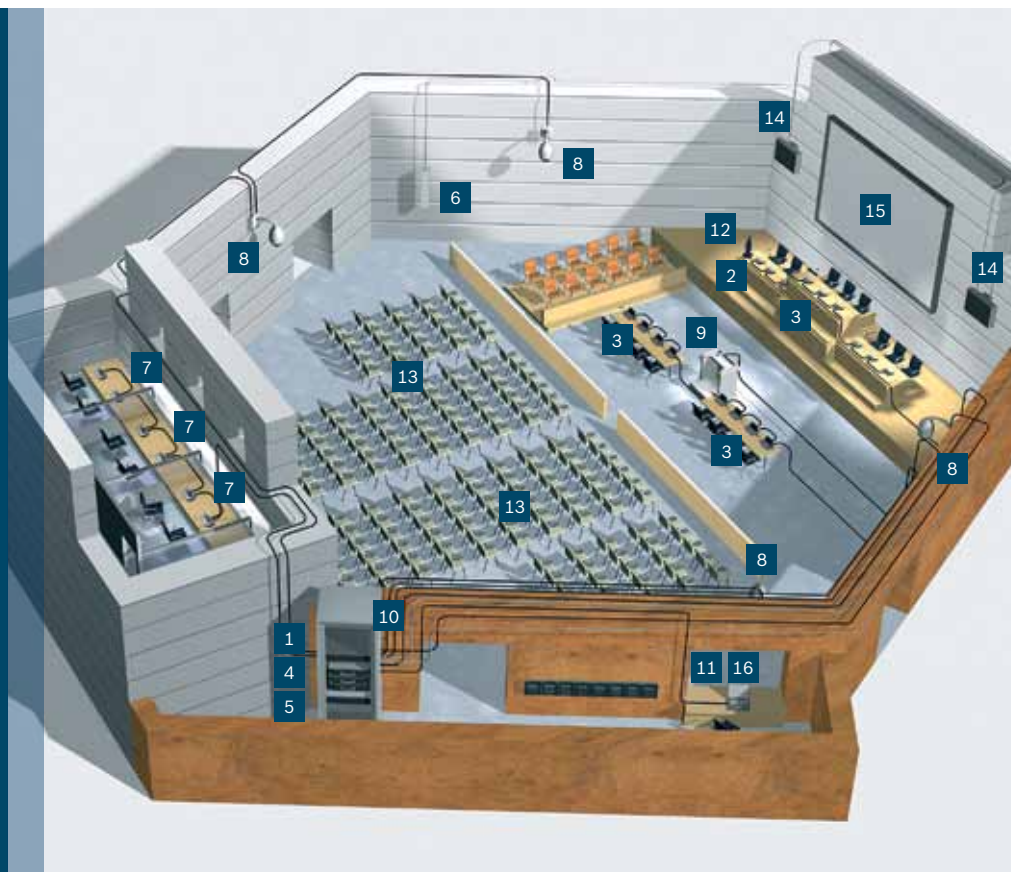
The CCS 900 Ultra system is simple to install and extremely straightforward to use, making it perfect for courts that require audio management. The compact system automatically controls participant microphones. A judge can easily interrupt by pressing the priority button on the microphone unit. All other microphones will immediately and automatically be muted. The “Possible-To-Speak” indicator gives witnesses, the prosecution or defendant a visual indication when the microphone is available for them to speak during the trial, and can help the judge manage proceedings.

The CCS 900 Ultra has a built-in MP3 recorder which allows discussion to be digitally recorded and stored on SD cards. Built-in digital acoustic feedback suppression ensures the system provides excellent speech intelligibility for every participant even when the audio is amplified in the courtroom.

Teleconferencing with remote courtrooms and broadcasting proceedings is as simple as connecting a public address system for local amplification. Pauses can be filled with background music or other audio processing equipment can be connected.

Depending on internal speech procedures, up to four microphones can be switched on simultaneously. Extra handheld microphones can be connected for use by the audience.

Suitable for both fixed and temporary installations, the CCS 900 Ultra by Bosch provides the perfect mix of flexibility and control for simple courtroom environments.



Basic System

- 1 DCN Central Control Unit
- 2 DCN Chairman Unit with Channel Selector
- 3 DCN Delegate Unit with Channel Selector
- 4 Audio Expander for individual channels
- 5 Plena Mixer Amplifier 120W
- 6 XLA 3200 Line Array Speakers 60W

Optional

- 7 DCN Interpreter desk
- 8 AutoDome¹ camera
- 9 Dynamic handheld microphone
- 10 Video conferencing interface
- 11 Personal computer
- 12 Touch screen
- 13 Integrus receivers
- 14 Integrus radiators
- 15 Screen

Software

- 16 DCN Meeting Recorder Software on PC

Software Options

- ▶ Conference Software Main Module
- ▶ Simultaneous interpretation Module
- ▶ Delegate Database Module
- ▶ Streaming Meeting Data Module
- ▶ Automatic Camera Control software
- ▶ Individual Channels software
- ▶ DCN Transcription Module & foot pedal

Advanced solution with the DCN Next Generation System

- ▶ Enhanced audio management
- ▶ Multi-track digital recording software for recording microphone signals separately
- ▶ Automatic camera control and video conferencing
- ▶ Interpretation over up to 32 channels

While providing the same facilities as the CCS 900 Ultra system, the DCN system also offers additional functionality, such as a touch-screen interface for the direct management of microphone settings and priorities and advanced system settings.

The DCN Next Generation makes it easy to record input from separate microphones using Individual Channels software and Meeting Recorder software from Bosch, which also provides high-quality playback for the transcriber (Software includes marks with names of speakers). This facilitates the accurate composition of transcripts of court proceedings, particularly in cases when two or more people are speaking at the same time.

An individual channel is also required when the specific audio channel of a 'Silent Witness' must be scrambled, while other channels are not. The DCN system features advanced automatic camera functionality for high-quality broadcasting, also for review by the judges or archival of the trial. When participants are in a remote courtroom, DCN can be setup as an advanced video conferencing system. The speaker's image and name can be displayed on monitors and projection screens.

DCN fully supports multiple languages. High-quality, real-time interpretation – even from remote locations – is possible for up to 32 languages. By integrating Integrus, Bosch's advanced system for interpretation and language distribution, the translations can be received with wireless pocket-receivers.

The DCN Next Generation system from Bosch can be configured to provide the ultimate flexibility and functionality that any size and type of courtroom may require.

¹ Autodome® is a registered trademark owned by Bosch Sicherheitssysteme GmbH.



Multiple features – numerous benefits

The many features that both systems boast are designed (and proven) to maximize the efficiency and productivity of all types of courtrooms –whether during standard, straightforward trials, or larger multi-lingual proceedings that require advanced audio-visual facilities.

Features	Benefits	CCS 900 Ultra System	DCN Next Generation System
Audio Management	Structured discussions in trial	basic	advanced
Digital audio recording	Archiving of trials	Floor audio	Floor audio + Individual microphones
	Easy-to-use media	Built-in MP3 recorder	Meeting Recorder Software
Touch screen, PC	Total operator control	no	yes
Interpretation facility	Multi-lingual trials	no	yes
Teleconferencing	Remote participation	yes	yes
Automatic Camera Control	Look who's talking	no	yes
Videoconferencing	Remote participation	no	yes
Individual channel output	Scramble audio of silent witnesses and recording	no	yes

Bosch Security Systems

For more information please visit
www.boschsecurity.com