DICENTIS Conference System
Inform. Impress. Inspire.

BOSCH
Invented for life

Conference Systems by Bosch

For over 125 years, the Bosch name has been synonymous with innovation, quality and reliability. Building on true world-class expertise, Bosch Security Systems has led the conference market for over 65 years. How? By permanently addressing customer needs with outstanding products, with the promise of continuing to do so for many years to come.

The market for conference solutions has changed rapidly in recent years, with an ongoing trend away from standalone systems towards fully integrated solutions. In these integrated solutions, information such as audio, video, social media and meeting data is shared over standardized infrastructure and interfaces. This in turn has created higher demands on flexibility in system design and the ability for remote interaction. These trends highlight the need to maximize meeting efficiency and increase transparency.

Bosch is committed to deliver the most innovative conference platform to fulfill current and future market needs. This is why we are expanding our IP portfolio with four new devices and our new product family: DICENTIS.

DICENTIS is a revolutionary platform for the integrated conference world of tomorrow. To future-proof and ensure the legacy of innovative conference solutions, Bosch will transform its DCN multimedia system elements, successfully launched in 2013, to the newly formed DICENTIS Conference System, representing the family of the Bosch IP based conference solution.

The DICENTIS conference solution is ideal for a wide variety of uses, from small-sized organizations to multinational corporations, as well as local, regional and national governments and international summits.

Today, more is required from a conference system. It must support video, social media, remote interaction and expandability.

The system that grows with your needs
Inform. Impress. Inspire.

▶ Open platform based on the OMNEO media networking architecture for system flexibility and cost-effective installation and maintenance

▶ Easy integration with supporting systems to provide features such as automatic camera control

▶ License-based expandability for a future-proof system that can easily take on new functionality

▶ Optimized user experience to maximize meeting efficiency

▶ Mixed and customized setup of conference devices to best answer the organization's unique needs

▶ Cable and power supply redundancy to ensure meetings are held without system interruption

DICENTIS is built on open standards enabling the integration of many different technologies, even third party solutions.

Future-proof via system flexibility

No matter how your organization changes, your DICENTIS Conference System will adapt to answer your evolving needs. That's because DICENTIS is built on open standards that make the integration of several technologies possible, even third party solutions. For example:

▶ Ethernet and IP are used so existing infrastructures can be reused

▶ OMNEO is used so DICENTIS can connect to other audio and control equipment

▶ Android™ in the DICENTIS Multimedia device enables the use of standard applications

▶ Windows Services allow for easy integration with customized software solutions

Cost-effective

At its heart, the DICENTIS Conference System makes use of the unique IP-based OMNEO media networking architecture, developed by Bosch, and operates over fully standardized Ethernet networks. This ensures flexibility and cost-effective installation and maintenance. It also makes DICENTIS ideal for re-using existing infrastructure. Conference devices can be connected with a looped daisy chain configuration using Bosch powering switches and Bosch system network cables. This provides a time-saving, flexible solution. Alternatively, CAT5e (or higher) cables and Power over Ethernet (PoE) switches enable star configurations.

Configured to your needs

Each organization that uses a conference system has its own unique set of requirements, that's why the DICENTIS Conference System offers a wide choice of functions. Take a look at the table below to see what kind of system solution you could take advantage of.

Functions	DICENTIS Multimedia device	DICENTIS Discussion device with touchscreen	DICENTIS Discussion device with language selector	DICENTIS Discussion device with voting	DICENTIS Discussion device
Delegate configuration	X	X	X	X	X
Chairperson configuration	X	X	X	X	X
Discussion	🔊	🔊	🔊	🔊	🔊
Language selection	🗣	🗣	🗣		
Voting	+−×	+−×		+−×	
NFC identification	🪪	🪪	🪪	🪪	
Dual use	🔊 🪪 🗣 +−×	🔊 🪪			🔊
Automatic camera control	📷	📷	📷	📷	📷
Multimedia	🤖 📄 🌐 📊 📹				

- All icons are explained on page 18.
- Automatic camera control is a system feature. The DICENTIS system supports ONVIF-compliant IP cameras, simplifying the integration of automatic camera control.
- The multimedia functions of the DICENTIS Multimedia device are document viewing, internet access, presentation viewing, live video and the use of third party Android™ apps.

The system that always delivers

Highly reliable and secure

Inherent cable and power supply redundancy built into the DICENTIS Conference System, ensures no data is lost in the rare event of system failure. In addition, all audio and control data running through the system is securely encrypted by proven industry technologies, satisfying the most stringent and internationally recognized standards. This protects data against tampering and unauthorized access – extremely important in highly-secure or sensitive meeting situations.

Latest functionality - always

With regular software updates, the DICENTIS Conference System easily expands to incorporate newly-developed functionality - without the need for expensive hardware replacements. This includes the licensed system and seat software but also additional system features via third-party Android™ apps. Bosch offers a Software Maintenance Agreement (SMA) to help customers maintain their system. This service keeps the entire DICENTIS Conference System operating seamlessly across the platform and servers. It includes software and compatibility plug-ins for the system as well as a variety of Internet-based applications.

Automatic camera control

The DICENTIS system supports ONVIF-compliant IP cameras, simplifying the integration of automatic camera control. ONVIF is the market's leading, global standard for networked video, and it ensures that conference participants always see the person speaking on the hall display.

Environmentally friendly

DICENTIS is designed to have minimal impact on the environment. For this reason, the system can be switched to stand-by mode. This patent-pending feature allows the chairperson to power off all the participant devices at once, significantly reducing power consumption and saving energy between meetings and during breaks.

The **new standard in conferencing** that does it all: discussion management, language selection, voting, multimedia functions, live video feed, dual use, internet access, document viewing, third party apps and more.

Unique conference devices with industry-leading features
Focus on the discussion at hand

▶ High Directive Microphone and intelligent Acoustic Feedback Suppression ensure crystal clear speech reproduction

▶ Loudspeaker and microphone can be active simultaneously to provide excellent speech intelligibility

▶ Optimal ergonomic design

▶ Advanced discussion functionalities, such as the "Possible to speak" indicator, to immediately engage in the discussion when the function is available

Clear, natural sound
All DICENTIS conference devices use intelligent Acoustic Feedback Suppression which is unique to Bosch, maximizing intelligibility when higher volume levels are required. This technology helps to avoid echoes and howling, resulting in clear speech intelligibility.

In addition, the microphone and loudspeaker are active at the same time, providing a natural sound. At all times, the participants and chairperson can listen to the meeting comfortably and focus on the discussion at hand.

Pluggable microphones
Three pluggable microphones can be used with any DICENTIS conference device: Long Stem, Short Stem and the High Directive Microphones. The High Directive Microphone employs high directive Bosch technology, allowing for crystal-clear reproduction of the spoken word, while the discrete design helps the speaker to convey their message in a natural way.

For acoustically challenging locations, or for when people want to speak standing upright from a rostrum, the uni-directional Long or Short Stem Microphone is the best solution.

Encouraging clarity
Design plays a key role in how people interact and it is central to creating an environment that encourages constructive dialogue. That's why Bosch has committed substantial resources to the research and development of the physical design of the DICENTIS conference devices. The result? Superior ergonomics, excellent ease of use, and a stylish yet unobtrusive appearance.

Keeping the meeting on track
The DICENTIS system is designed to optimize meeting structure and efficiency. Basic discussion settings can be defined for whichever DICENTIS conference device is being used. The meeting can be managed by an operator or chairperson, who can open or close a meeting, open voting rounds and decide which participant can speak and how many people can speak at the same time. The chairperson can also use the priority button to override all participant microphones whenever necessary.

Any conference device can be configured as either a participant or chairperson device, this minimizes the amount of necessary hardware and maximizes cost-efficiency.

DICENTIS Multimedia device
Inform. Impress. Inspire.

▶ User-friendly 7-inch high capacitive touchscreen to enhance the conference experience

▶ State-of-the-art award winning design

▶ Integrated Near Field Communication (NFC) Card Reader for quick participant identification and voting – participants can even use an existing registration card

▶ Two-way speaker system that offers outstanding intelligibility and sound quality

▶ Live video of the participant speaking can be followed on the device screens

▶ Internet access and document browsing to ensure that shared information is always up-to-date and that last minute corrections can be made on the spot

Name card holder
for easy recognition

High-resolution capacitive touchscreen allows you to retrieve information, go online and view documents at any time

The DICENTIS Multimedia device also has a built-in NFC Card Reader for quick participant identification. The delegate places an existing registration card in the vicinity of the device to identify to the system.

Pluggable Bosch High Directive Microphone provides crisp, clear sound quality

The possible-to-speak indication signals the delegate that he can immediately speak when pressing the microphone button.

Two-way loudspeaker system for outstanding intelligibility and high quality sound

Inspiring interaction
The DICENTIS Multimedia device's intuitive graphic user interface and easy to operate touchscreen enhances participant interaction and user comfort. Participants can follow the discussion in their own language, when simultaneous interpretation is provided. The touchscreen multimedia device integrates audio, video, meeting data, internet access and a highly convenient electronic voting facility. All this enables participants to contribute more efficiently in meetings by having access to related information or the internet on their individual touchscreens, while the chairperson remains in full control.

You can follow the conference easily and speak in a natural way. All the information you need is at your fingertips.

Attractive interface
DICENTIS Multimedia devices make use of the familiar Android™ operating system to provide an attractive and engaging interface. It also allows the use of custom-made or third-party apps to further increase meeting efficiency and for example the integration of room control.

Award-winning design
The stylish internet-enabled DICENTIS Multimedia device is elegant, ergonomic and complements any interior. The multimedia device, first released in 2013, has already won several prestigious awards, including a Red Dot design award in 2014 and the German design award in 2015.

Hear every syllable
Extraordinary sound quality and intelligibility emits from the DICENTIS Multimedia device. Whether the source material is music or the spoken word. The special acoustic design with integrated two-way speaker systems reproduces the audio spectrum precisely. Bosch-engineered technologies further contribute to a more natural sound. Advanced equalization optimizes the acoustics throughout the room, while intelligent Acoustic Feedback Suppression technology from Bosch maximizes intelligibility when higher volume levels are required.

See every expression
The DICENTIS system supports automatic camera control and makes use of Bosch HD Conference cameras for high-resolution images, enabling participants to see the face of the speaker on their own screen.

Who's who
A name card holder with magnetic attachments on the rear of the device makes it easy for delegates to identify who is talking. A very practical option if the delegates did not get acquainted before the meeting.

reddot award winner

German Design Award WINNER

DICENTIS Discussion device with touchscreen

▶ 4.3 inch touchscreen shows the participant list, agenda topics, voting buttons and language selection, for increased meeting efficiency

▶ Integrated Near Field Communication (NFC) Card Reader for quick participant identification and voting – participants can even use an existing registration card

▶ Dual use minimizes the amount of necessary equipment - this saves costs and maximizes the space on the conference table

The DICENTIS Discussion device with touchscreen also has a built-in NFC Card Reader for quick participant identification. The delegate places an existing registration card in the vicinity of the device to identify to the system.

The pluggable Bosch High Directive Microphone provides ultra-clear speech intelligibility

Individual headphone volume control on the left and right side of the device

Touch screen with delegate names in native characters makes it clear who is talking and who is in the request list. The screen is also used for language selection and voting

The "Possible-to-speak" indication signals to the delegate that he can immediately speak when pressing the microphone button

The DICENTIS Discussion device with touchscreen offers an intuitive and clear conference experience, whether a device is being used by one or two participants.

Speaking is only half of it

With its 4.3 inch capacitive touchscreen, the DICENTIS Discussion device with touchscreen guides participants and increases meeting efficiency. It achieves this by enabling the participants to see who is talking and who is in the queue. It shows the agenda topics and enables the participant to follow the proceedings in their own language. It also provides access to the voting information.

Two languages simultaneously

Two participants can use one DICENTIS Discussion device with touchscreen, which offers discussion management, identification, voting and language selection to both individuals. Importantly, each of the two delegates can listen to the proceedings in their own language via headphones. They sign on with an NFC card, and select their own language channel in the native characters.

DICENTIS Discussion device with language selector

▶ Different languages are presented on the screen in native characters so that the delegate can easily find and select his language and focus on the meeting.

▶ Integrated Near Field Communication (NFC) Card Reader for quick participant identification – participants can even use an existing registration card

▶ Dual use minimizes the amount of necessary equipment - this saves costs and maximizes the space on the conference table

Quick and simple language selection
When interpretation of the meeting is provided, the delegate simply plugs in the headset and selects the preferred language before the conference starts. The language selection is very straightforward since it is shown only when needed. It is also provided in native characters so that the delegates can quickly find their language and do not miss out on the beginning of the conference. They can focus on the discussion at hand right from the start.

Two-in-one
The DICENTIS Discussion device with language selector allows for dual identification and dual discussion, with one shared language selection.

Good readability of native characters and symbols on the selector screen makes it easy for the delegate to select their language

Bosch High Directional Microphone improves intelligibility and allows delegates to participate in a natural way

The DICENTIS Discussion device with language selector also has a built-in NFC Card Reader for quick participant identification. The delegate places an existing registration card in the vicinity of the device to identify to the system

The microphone button(s) ensure intuitive (dual) participation

Volume control dial helps you hear every syllable when using your headphones
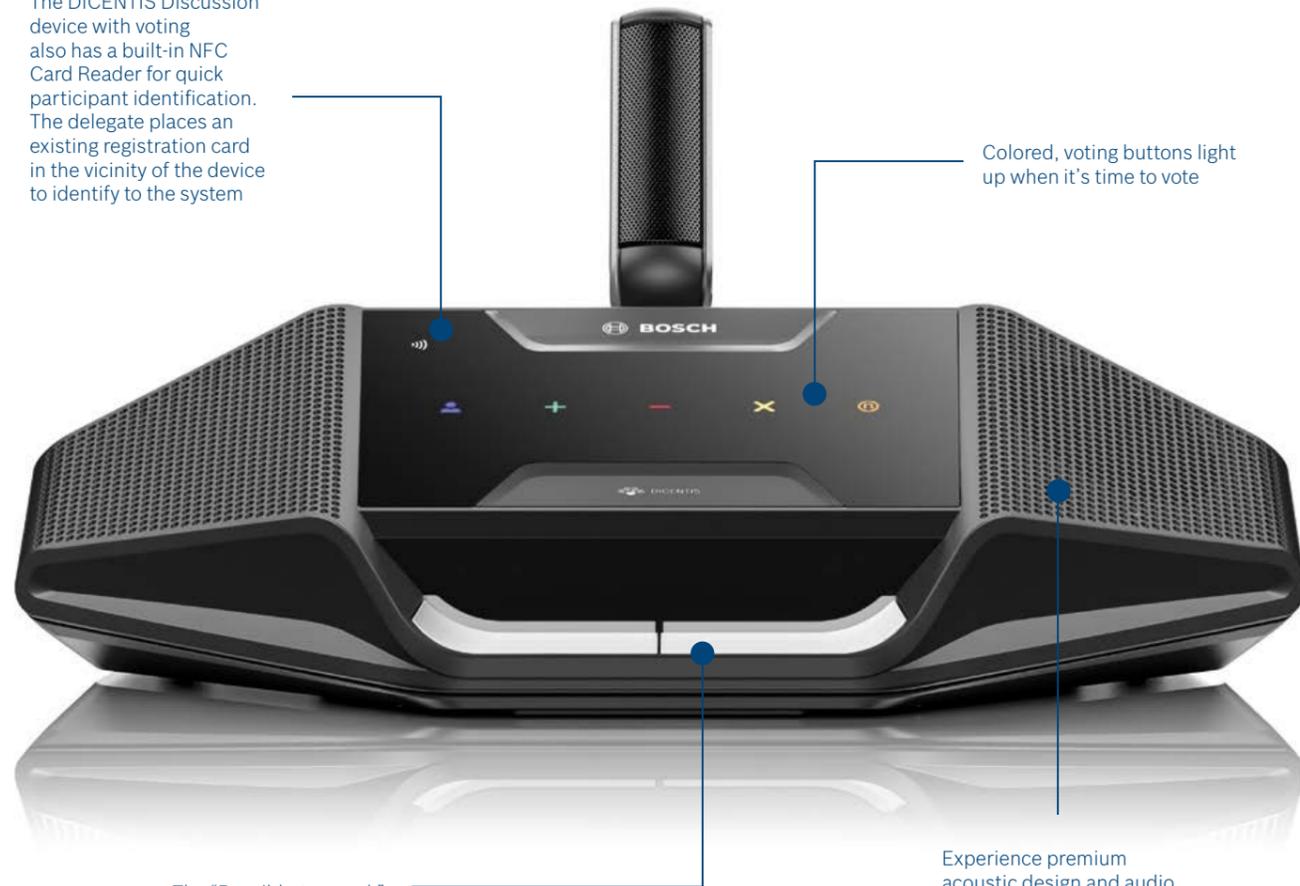
DICENTIS Discussion device with voting

▶ Colored voting touch buttons light up on each device only when the functionality is required, enabling the participants to vote easily and quickly

▶ Integrated Near Field Communication (NFC) Card Reader for quick participant identification and voting – participants can even use an existing registration card

▶ Secret voting is supported, guaranteeing non-influenced voting results

The DICENTIS Discussion device with voting also has a built-in NFC Card Reader for quick participant identification. The delegate places an existing registration card in the vicinity of the device to identify to the system

Colored, voting buttons light up when it's time to vote

The "Possible-to-speak" indication signals to the delegate that he can immediately speak when pressing the microphone button

Experience premium acoustic design and audio processing with high quality Bosch speakers

At the press of a button
Delegates vote by pressing one of the illuminated colored buttons on their device. Importantly, these buttons only appear when the voting is opened by the chairperson, this ensures that they do not distract the delegates during discussion.

Secret voting
The DICENTIS Discussion device with voting enables "Secret Voting". In this setting, the voting LEDs will be rendered invisible the instant the delegate has cast their vote. This helps to ensure that participants cannot be influenced by the vote of a neighboring delegate.

The voting buttons only become visible on the screen when the chairperson opens the voting process, allowing participants to stay focused.

DICENTIS Discussion device

▶ Facilitates basic conferencing with the "Possible to speak" indication to deliver the most straightforward use for all participants

The DICENTIS Discussion device enables participants to discuss, register a request-to-speak and listen to those speaking during the meeting. Like all DICENTIS conference devices this discussion device also provides the "Possible to speak" function. When this is indicated, the participant can start talking as soon as they press the button. This device also supports dual use by means of a software license, to provide a cost efficient and flexible conference solution. When space is limited in the venue, devices for dual use can be licensed. In this way you can achieve a perfectly adequate setup with only half the devices.

With its intuitive ease of use, unobtrusive microphone and crystal clear speech, the DICENTIS Discussion device ensures that all meeting participants can focus on the issues at hand.

DICENTIS central equipment

DICENTIS Audio Powering Switch
▶ Provides power to all the devices of the DICENTIS Conference System
▶ Zero network configuration for ease of installation
▶ Fully compatible with Ethernet (IEEE802.3) and OMNEO standard for connection with third party equipment
▶ Supports loop through connection to reduce cost of installation
▶ Supports cable redundancy to optimize system availability
▶ Intelligent Acoustic Feedback Suppression, echo cancellation and equalizer for optimal audio quality
▶ Stand-by mode for environment-friendliness
▶ Audio inputs and outputs

DICENTIS Powering Switch
▶ Provides power to all the devices of the DICENTIS Conference System
▶ Zero network configuration for ease of installation
▶ Fully compatible with Ethernet (IEEE802.3) and OMNEO standard for connection with third party equipment
▶ Supports loop through connection to reduce cost of installation
▶ Supports cable redundancy to optimize system availability
▶ Stand-by mode for environment-friendliness

DICENTIS Discussion device with touchscreen

▶ Identifies user - the device includes an NFC reader which supports different cards to register participants at the meeting
▶ Dual use for discussion, identification, language selection and voting – maximum efficiency with as little equipment as possible to reduce costs, ideal for venues with limited space
▶ Language selection so participants can listen to the proceedings in their own language
▶ On-screen meeting information like participant list indicating who is talking - for better meeting management
▶ Voting - quick and easy via on-screen colored buttons

DICENTIS Discussion device with language selector

▶ Identifies user - the device includes an NFC reader which supports different cards to register participants at the meeting
▶ Language selection – so the participant can listen in own language when simultaneous interpretation is available
▶ Dual discussion, dual identification – so two participants can simultaneously use the same device

DICENTIS Discussion device with voting

▶ Identifies user - the device includes an NFC reader which supports different cards to register participants at the meeting
▶ Voting - quick and easy via colored voting touch buttons

DICENTIS Multimedia device

▶ Identifies user - the device includes an NFC reader which supports different cards to register participants at the meeting
▶ Language selection – so participant can listen to the meeting in their own language when simultaneous interpretation is available
▶ Voting - quick and easy via on-screen colored buttons
▶ On-screen meeting information like participant list indicating who is talking - for better meeting management
▶ Live video feed – for real-time visual content
▶ Third party apps – for enhanced features
▶ Document viewing – for easy information sharing
▶ Internet access to consult information or people
▶ Presentation viewing
▶ Android™-API for custom built applications

DICENTIS Discussion device

▶ Enables clear , productive discussion with advanced features such as "Request to speak" function and dual discussion functionality – so two participants can use the same device

DICENTIS Microphones
A choice between 3 pluggable microphones:

High Directive Microphone
▶ High directive Bosch technology allowing crystal-clear speech
▶ Discrete design helps the speaker to convey their message in a natural way
▶ Allows freedom of movement

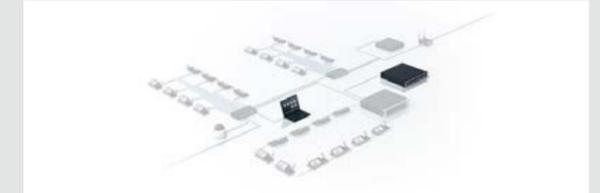**Long Stem and Short Stem Microphone**
▶ 480 and 310 mm stem models
▶ For acoustical challenging locations
▶ Perfect for the rostrum position where people speak when standing

Software

DICENTIS Software Suite
▶ Licensed-based expandability makes the system extremely future-proof
▶ Includes licensed System and Seat Software
▶ New system functionalities via software upgrades rather than replacing expensive hardware

DICENTIS Software Maintenance Agreement
▶ Ensures seamless, best-possible system performance
▶ Regular updates installed
▶ Ensures that system is compatible with external Windows® and Android™-driven applications
▶ Extended Software Maintenance Agreement for 1, 2 or 5 years

DICENTIS Suitcase

▶ Robust, enabling safe transport and storage
▶ Holds a provision for the cables and eight conference devices with pluggable microphones
▶ Equipment cut-outs in shaped foam interior
▶ Easy to pack, unpack and transport equipment
▶ Roller wheels for convenient transportation and cushion grip handles, trigger release latches

Icon legenda

Discussion	Identification
Dual discussion	Dual identification
	Voting
	Dual voting

Language selection	Third party apps
Dual language selection	Document viewing
Participant list control	Internet access
Live video feed	Presentation viewing

A Tradition of Quality and Innovation

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

Bosch Security Systems

To learn more about our DICENTIS product offering, please visit www.boschsecurity.com