

## DCNM-DVT Discussion device with voting DICENTIS



DICENTIS incorporates several standardized technologies that have been combined to create an open platform. Complete system solutions can be created by simply integrating compatible products. This makes DICENTIS extremely scalable, enabling it to evolve with the growing needs of meeting and conference facilities. At its heart, the DICENTIS Conference System makes use of the unique IP based OMNEO media networking architecture, developed by Bosch.

The elegantly designed DICENTIS Discussion devices enable participants to speak, register a request to speak, and listen to discussion.

The DICENTIS Discussion device with voting incorporates standard parliamentary-style voting. To enable the participant to fully concentrate on the discussion, the voting touch-buttons only light up when voting is available. The DICENTIS Discussion device with voting also supports fast participant recognition via NFC tag identification.

### Functions

#### General

- Single-use and chairperson can be configured via the PC configuration software application.
- Five touch buttons to support electronic voting:
  - Present button
  - For
  - Against
  - Abstain
  - DNPV
- Built-in Near Field Communication (NFC) contactless tag reader.

- ▶ Configurable as a single participant or chairperson's device
- ▶ Color-coded voting buttons
- ▶ Built-in NFC reader for fast recognition of participants
- ▶ Possible to provide feedback to visual impaired participants

- Additional functionality by use of software licenses only:
  - Identification functionality.
- Audio mute button.
- Supports star and loop-through connection.

#### Speech intelligibility

- Crystal-clear sound due to a very high signal-to-noise ratio.
- Maximum speech intelligibility is guaranteed.
- The loudspeaker and microphone can be active at the same time to facilitate a face-to-face meeting experience. A feedback suppressor is built in to prevent acoustic feedback.

#### Security

- Encryption ensures that information within the system remains confidential.

#### Microphones

- A socket is provided to connect the pluggable microphones DCNM-HDMIC, DCNM-MICS or DCNM-MICL (to be ordered separately).

#### Headphones and loudspeakers

The device has a headphone connection and independent volume control (on both sides of the device), so the speaker can be heard clearly even when there is excessive background noise.

#### Controls and Indicators

Top side of device:

- Five touch buttons
- NFC identification reader
- Microphone with a red or green indicator:
  - Red indicates that the microphone is active.

- Green indicates that a request-to-speak is accepted.
  - LED indicators on device showing:
    - Microphone on state – Red.
    - Possible-to-speak – White.
    - Priority – White (Chairperson only).
    - Request-to-speak – Green.
- Left and right-hand side of the device:
- Rotary controls for independent headphone volume control.

**Feedback to visual impaired participants**

- Acoustical feedback to facilitate voting: when the participants cast a vote, a beep sounds in their headphones to confirm the action. This acoustical support can be assigned to participants by extending the system with the DCNM-LPD .
- Clearly noticeable Braille pattern dots-6 to distinguish between the different voting buttons through the CSP-D00104.

**Interconnections**

- Socket for pluggable microphone.
- Two 3.5 mm (0.14 in) headphone sockets stereo jack type.
- 2x RJ45 compatible connection for system communication and power.
- Hot Plug-and-play.

**Regulatory information**

Region	Regulatory compliance/quality marks	
Global	DOC	DECL COC ISO22259 DICENTIS
Europe	CE	DECL EC DCNM-DVT

**Parts included**

Quantity	Component
1	DCNM-DVT DICENTIS Discussion device with voting

**Technical specifications**

**Electrical**

Supply voltage	48 VDC
Power consumption	3.7 W
Frequency response	100 Hz to 20 kHz (-3 dB at nominal level)
THD at nominal level	< 0.1 %
Dynamic range	> 90 dB

Signal-to-noise ratio	> 90 dB
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**Audio inputs**

Nominal microphone input	80 dB SPL according to ISO22259 (IEC60914)
Maximum microphone input	110 dB SPL according to ISO22259 (IEC60914)

**Audio outputs**

Loudspeaker nominal output	72 dB SPL at 0.5 m
Loudspeaker maximum output	87 dB SPL
Headphone nominal output	0 dBV
Headphone maximum output	3 dBV
Headphone load impedance	> 32 ohm < 1k ohm
Headphone output power	65 mW

**General**

Touch buttons	Capacitive touch buttons
Supported contactless NFC tag	According to: ISO/IEC14443 Type A (from 106 kbps to 848 kbps. MIFARE 106kbps).

**Mechanical**

Mounting	Tabletop
Dimensions (H x W x D) without microphone	72 x 259 x 139 mm (2.8 x 10.2 x 5.5 in)
Color (top and base)	Traffic black (RAL 9017)
Weight	Approx. 955 g (2.1 lb)

**Environmental**

Operating temperature	5 °C to +45 °C (41 °F to +113 °F)
Storage and transport temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Relative humidity	< 90 %, > 5%

## Ordering information

### DCNM-DVT Discussion device with voting

DICENTIS Discussion device with voting, five touch-color voting buttons and NFC identification reader. Choice of pluggable microphone to be ordered separately.

Order number **DCNM-DVT | F.01U.313.727**

## Accessories

### DCNM-HDMIC High directive microphone

DICENTIS High Directive Microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.

Order number **DCNM-HDMIC | F.01U.374.038**  
**F.01U.269.132**

### DCNM-MICS Microphone with short stem

DICENTIS short stem microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.

Order number **DCNM-MICS | F.01U.374.039**  
**F.01U.288.448**

### DCNM-MICL Microphone with long stem

DICENTIS long stem microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.

Order number **DCNM-MICL | F.01U.288.447**

### DCNM-DICH ID card holder for DCNM-D

ID card holder for the participant to automatically login when the card is parked and logout when it is removed, 25 pieces in one box.

Order number **DCNM-DICH | F.01U.396.439**

### CSP-D00104 Orientation sheet for DCNM-DVT

Orientation sheet with Braille pattern dots-6 for the visually disabled.

Order number **CSP-D00104 | F.01U.402.107**

### DCNM-TCD Transport case for 10x DCNM-xD

Transport case for storing and transporting ten DICENTIS discussion devices, ten high-directive microphones, ten short or long stem microphones, and cables.

Order number **DCNM-TCD | F.01U.335.596**

### DCNM-CB02-I System cable assembly 2m

2 m (6.6 feet), system network cable for connecting all DICENTIS devices.

Order number **DCNM-CB02-I | F.01U.332.138**

### DCNM-CB05-I System cable assembly 5m

5 m (16.0 feet), system network cable for connecting all DICENTIS devices.

Order number **DCNM-CB05-I | F.01U.332.019**

### DCNM-CB10-I System cable assembly 10m

10 m (33.0 feet), system network cable for connecting all DICENTIS devices.

Order number **DCNM-CB10-I | F.01U.332.020**

### DCNM-CB25-I System cable assembly 25m

25 m (82.0 feet), system network cable for connecting all DICENTIS devices.

Order number **DCNM-CB25-I | F.01U.332.021**

### ACD-MFC-ISO Card, MIFAREclassic, 1kB, 50pcs

MIFARE Classic ID card with 1 kByte data storage, 2 application areas, one of which can be customized.

Packing information: 50 cards/ each unit

Order number **ACD-MFC-ISO | F.01U.218.378**

### ACD-EV1-ISO Card, MIFARE EV1, 8kB, 50pcs

Mifare DESFire EV1 ID card with 8 kByte data storage, 2 application areas, one of which can be customized.

Packing information: 50 cards/ each unit

Order number **ACD-EV1-ISO | F.01U.218.412**

## Software Options

### DCNM-LPD Participant database license

DICENTIS Participant Database gives the ability to define participant's names and assign participants to seats.

Order number **DCNM-LPD | F.01U.287.754**

### DCNM-LSID License for identification at 1 seat

DICENTIS software license for enabling identification at seat in the DICENTIS Discussion device with voting, DICENTIS Discussion device with language selector, DICENTIS Discussion device with touchscreen, DICENTIS Multimedia device, and DICENTIS wireless Extended.

Order number **DCNM-LSID | F.01U.300.533**

## Services

### EWE-DCNDIS-IW 12 mths wrty ext DCN dicussion unit

12 months warranty extension

Order number **EWE-DCNDIS-IW | F.01U.348.731**

#### Represented by:

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: +31 40 2577 284  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Tel.: +49 (0)89 6290 0  
Fax: +49 (0)89 6290 1020  
[de.securitysystems@bosch.com](mailto:de.securitysystems@bosch.com)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**North America:**  
Bosch Security Systems, LLC  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
[onlinehelp@us.bosch.com](mailto:onlinehelp@us.bosch.com)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)