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.
• Additional functionality by use of the Premium or Ultimate licenses only:
  – Identification functionality
  – Voting 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:
Communications Systems - DCNM-DVT Discussion device with voting

- 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.

### Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DCNM-DVT DICENTIS Discussion device with voting</td>
</tr>
</tbody>
</table>

### Technical specifications

#### Electrical

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>48 VDC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>3.7 W</td>
</tr>
<tr>
<td>Frequency response</td>
<td>100 Hz to 20 kHz (-3 dB at nominal level)</td>
</tr>
<tr>
<td>THD at nominal level</td>
<td>&lt; 0.1 %</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>&gt; 90 dB</td>
</tr>
<tr>
<td>Signal-to-noise ratio</td>
<td>&gt; 90 dB</td>
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</tbody>
</table>

#### Audio inputs

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Nominal microphone input</td>
<td>80 dB SPL according to ISO22259 (IEC60914)</td>
</tr>
<tr>
<td>Maximum microphone input</td>
<td>110 dB SPL according to ISO22259 (IEC60914)</td>
</tr>
</tbody>
</table>

#### Audio outputs

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Loudspeaker nominal output</td>
<td>72 dB SPL at 0.5 m</td>
</tr>
<tr>
<td>Loudspeaker maximum output</td>
<td>87 dB SPL</td>
</tr>
<tr>
<td>Headphone nominal output</td>
<td>0 dBV</td>
</tr>
<tr>
<td>Headphone maximum output</td>
<td>3 dBV</td>
</tr>
<tr>
<td>Headphone load impedance</td>
<td>&gt; 32 ohm &lt;1k ohm</td>
</tr>
<tr>
<td>Headphone output power</td>
<td>65 mW</td>
</tr>
</tbody>
</table>

#### General

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Touch buttons</td>
<td>Capacitive touch buttons</td>
</tr>
<tr>
<td>Supported contactless NFC tag</td>
<td>According to: ISO/IEC14443 Type A (from 106 kbps to 848 kbps. MF-FARE 106kbps).</td>
</tr>
</tbody>
</table>

#### Mechanical

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

#### Environmental

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Operating temperature</td>
<td>5 ºC to +45 ºC (41 ºF to +113 ºF)</td>
</tr>
<tr>
<td>Storage and transport temperature</td>
<td>-30 ºC to +70 ºC (-22 ºF to +158 ºF)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>&lt; 90 %, &gt; 5%</td>
</tr>
</tbody>
</table>
**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, MIFARE Classic, 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

**Services**

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

12 months warranty extension

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

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