FAQ (26.4) V0.91

1. Product Overview and Market Positioning

What is the new generation Bosch DICENTIS multimedia series?

This is a brand-new conference system series launched by Bosch, designed to meet the needs of modern meetings through larger displays, superior audio technology, and flexible interaction methods (such as the BYOD version).

How has this series performed in the industry?

This series was launched at the ISE exhibition in Barcelona in February 2026 and won the “Best of Show” award.

What main models are included in this multimedia generation?

There are two main models: **DCNM-MMFF** (Full Function version which includes a screen with touch screen) and **DCNM-MMDOCK** (Docking Station version designed for use with a bring-your-own tablet). The multimedia device includes an array microphone and can be extended with a stem microphone. Four new microphone stem models are developed for the new multimedia device:

- DCNM-MICSC — Cardioid short-stem microphone
- DCNM-MICLC — Cardioid long-stem microphone
- DCNM-MICSWC — Wide-cardioid short-stem microphone
- DCNM-MICLWC — Wide-cardioid long-stem microphone

These four microphone stems are dedicated to the DCNM-MMFF and DCNM-MMDOCK and are not interchangeable with desktop or flush-mounted microphone stems.

What are the core advantages of this series compared with traditional multimedia conference equipment?

Its advantages lie in the unified base design, the adjustable-angle display, exclusive support for the standard PoE network protocol, AI-driven array microphone redundancy backup, and the unique BYOD solution.

2. DCNM-MMFF (Full Function Version) Feature Details

What are the display specifications of the DCNM-MMFF?
It is equipped with a **10-inch** high-resolution (1920 x 1200) capacitive touchscreen.

Can the display angle be adjusted?
Yes. The viewing angle of the screen supports adjustment from **0° to 180°**, ensuring that participants get the best visual experience whether seated or standing, while reducing glare.

What is the purpose of the camera in the DCNM-MMFF version?
It integrates a **13-megapixel camera** that can be used for speaker video linkage (Future use)

What operating system does the device run on?
It is a device based on the **Android** operating system (Android 14) and supports the integration of third-party or custom applications. (And will get updates of Android (Major upgrades and security updated)

What types of media does the DCNM-MMFF support viewing?
It supports viewing MS Word, Excel, PowerPoint, PDF, RTF, TXT and other documents, and can play H.265-encoded mp4 videos.

3. DCNM-MMDOCK (Docking Station / BYOD Version) FAQ

What is the "BYOD" version?
The BYOD (Bring Your Own Device) version allows participants to use a general-purpose tablet running the "DICENTIS Participant App" as the conference control interface. The following devices have been tested: Samsung A9+, S9, S10 FE; Huawei MatePad SE; Honor (USB-C models supporting wired networking); Vivo (USB-C models supporting wired networking).

What size of tablet does the DCNM-MMDOCK support?
The docking station supports smart tablet devices up to **14 inches** in size.

Why is the DCNM-MMDOCK bracket limited to 14 inches?
This is mainly because the hinge design of the bracket cannot support overly heavy tablets. The limiting factor is mainly height rather than screen size.

If I have a tablet larger than 14 inches, can it still be used with the system?
Yes. Although it cannot be mounted on the bracket, you can connect it and place it elsewhere on the desk for use.

How is the docking station connected to the tablet?
It uses a wired connection through a **USB Type-C** interface.

Can the DCNM-MMDOCK still work without a tablet connected?

Yes. Even without a tablet, basic conference functions such as speaking, simultaneous interpretation channel selection, and voting can still operate normally through the hardware buttons on the base.

Is there latency when the tablet displays video linkage or presentations?

The DICENTIS approximately adds 1 frame delay (35 ms) to the video. On top of this, input delay and display delay must be added. The RTSP input delay of the AVONIC Cameras is around 90 ms. In both cases the display delay **depends on the tablet used**, ranging around 40–50 ms for MMFF devices. In a system combining AVONIC cameras with MMFF tablets, total latency is therefore approximately 170–180 ms. Since display delay varies by tablet model, total latency will differ depending on the hardware configuration.

How can I obtain the "DICENTIS Participant App"?

The app was released in 2025.

The app requires a license to be able to be used. For systems with a perpetual license plan, an additional DCNM-LPAPP-PE license is needed per participant. For systems with pre-paid subscription plans, the Participant app is complimentary. The app can be installed from an apk file on the local server, or from the Android store via the following link:

https://play.google.com/store/apps/details?id=com.dicentis.participant

4. Audio and Microphone Technology

What innovations does the device offer in audio capture?

The device integrates **an invisible array microphone** with a gooseneck microphone interface, achieving not only audio redundancy but also top-tier sound pickup.

What is the difference between cardioid and wide-cardioid microphone stems?

	Cardioid	Wide-Cardioid
Pickup Range	Narrower, mainly focused directly in front	Wider and more open
Sensitivity Distribution	Most sensitive in front; significant attenuation on the sides; almost no pickup from the rear	Still strongest in front; more side pickup; small amount of pickup from the rear
Characteristics	Strong feedback resistance; good at suppressing ambient noise; requires more precise speaker positioning	Higher tolerance (still picks up sound when speaker shifts slightly off-axis); more natural sound with greater

	Cardioid	Wide-Cardioid
		spatial feel; slightly weaker noise resistance than cardioid

What is the AI-driven invisible array microphone? How do the gooseneck microphone and the array microphone work together?

The invisible array microphone consists of 6 MEMS microphones and uses AI algorithms to build a “virtual gooseneck microphone” that can accurately capture sound even when the speaker turns their head from side to side.

When a gooseneck microphone is plugged in, the array microphone is automatically disabled. If the gooseneck microphone fails, the array microphone seamlessly takes over sound pickup as a hot backup.

5. User Experience and Accessibility Design

How does the device support visually impaired participants?
The hardware control buttons on the base provide **tactile feedback** (vibration) and have additional **tactile dots or bars**.

What support is provided for hearing-impaired participants?
Real-time captions of the meeting content can be provided on the screen by integrating a third-party captioning system.

What is "dual interaction control"?
Core functions (such as speak to requests, voting, and interpreted language selection) can be operated either through the touchscreen or through the physical buttons on the base, with the two methods serving as redundant backups for each other.

What technologies does identity recognition support?
It supports contactless login via **NFC identification technology**.

What auxiliary cues does the voting function provide?
The voting process supports color-coded icons and audio prompts to ensure that every participant can operate it clearly.

Can I wake-up the DICENTIS system via the new Multimedia devices if one is connected via the "low power port" of the APS like you could do with the MMD2?
Yes this is possible.

6. Installation, Configuration, and Technical Specifications

What installation methods does the device support?
The same model can satisfy the requirements for both **desktop placement** and **flush-mounted (embedded) installation.**

How is the device powered?
Both the DCNM-MMFF and DCNM-MMDOCK support standard **PoE+** (IEEE 802.3at Type 2) power supply, or power supply via the Bosch DICENTIS cable.

- The DCNM-MMFF consumes 18W.
- The DCNM-MMDOCK consumes 11.3 W.

If you also locally power the devices, all power that is send to the screen/tablet is covered by the local usb-c power adapter (power adapter 15 W or more, PD3.0 or newer).

Will power consumption increase when a tablet is connected?

Yes. Without a tablet connected, the power consumption is 11,3 W. When a tablet is connected without local power supply, the maximum is 18 W (via the USB Type-C port), drawing power from the DICENTIS cable. Powering the tablet from an external source is strongly recommended. (power adapter 15 W or more, PD3.0 or newer).

How does the device interconnect with other audio systems?

It is based on the **OMNEO** media network platform and is compatible with the **Dante** protocol, allowing direct interconnection with third-party Dante devices without the need for additional converters.

Is a special software license required to run the DCNM-MMFF?

For discussion function, no licenses are needed, to be able to vote and/or language selection each participant must have a Premium (DCNM-LPP-PE, DCNM-LPPP-P1Y, DCNM-LPPP-S1Y) or Ultimate (DCNM-LPU-PE, DCNM-LPUP-P1Y, DCNM-LPUP-S1Y) license. Whether to choose Premium or Ultimate depends on requirements like voting preparation or interpretation management.

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