Multimedia-Collaboration-System

Enhance communication with your students

dentsplysirona.com
Support Your Teaching

Multimedia collaboration system

Enhance communication with your students
Practical experience for students is essential, especially in health sciences. The easiest way to gain practical experience in a higher-education setting is using a simulation lab. The biggest challenges in a simulation lab are visibility, distractions and instructor accessibility to all devices. The award-winning alphadidact® digital system allows instructors at the touch of a button to share real-time, high-quality images from any device on any screen in the classroom. This enables the instructor to check up on student progress, share, collaborate and monitor.

Advantages for lecturers
• Increase the quality of presentation
• Increase and focus the attention of students
• Encourage interactive collaboration
• Connect and cross-link all devices: Intra-oral cameras, microscopes, notebooks, tablets, displays, and projectors
• Record a step-by-step-operation for playback purposes (lecture capture)

Advantages for students
• Optimum view of tutor activities on own monitor
• Perfect audio communication with the tutor

Advantages for universities
• Maintenance free
• Can be used with almost any hardware and software
• No cost intensive IT infrastructure investments
• 3 years international warranty

Control all media devices via one control panel

What makes the alphadidact® digital multimedia system so outstanding:
• Extremely easy and intuitive to use
• Highly reliable
• Very high image quality with no compression and change of colors
• No lag – digital image transmission in real-time
• Very flexible integration with most modern devices
• Highly secure
• Hardware based for independence from IT infrastructure

Case study

University of Ulm, Germany
When the University of Ulm in Germany replaced their simulation units in 2014, they were convinced by the custom-made solution offered by Dentsply Sirona. After a detailed needs analysis and planning process, 42 simulation units for dental students, 1 master unit, and 35 units for dental technicians were installed. To further enhance the high-quality education, all workstations were linked using two alphadidact® digital multimedia-systems. The system facilitates image transmission of digital cameras and microscopes, or of an inter-oral camera to the monitors of the individual workstations, as well as to projectors and large-screen displays. It ensures every student has excellent viewing conditions and class time can be used most effectively. Additionally, the alphadidact® digital also handles two-way audio communication in the simulation room via a headset, minimizing distractions and enabling an easy one-on-one interaction.

Transmission from microscope or video camera to monitors

Easy attachment of a video camera onto the operating light
Any off-the shelf video camera can be easily attached to the operating light LEDview Plus, making it an efficient solution for educational purposes (live-broadcast and documentation), as well as for patient communication.