

Carolinum of the Goethe University Frankfurt

Digital image transmission between the training laboratories using fiber optics



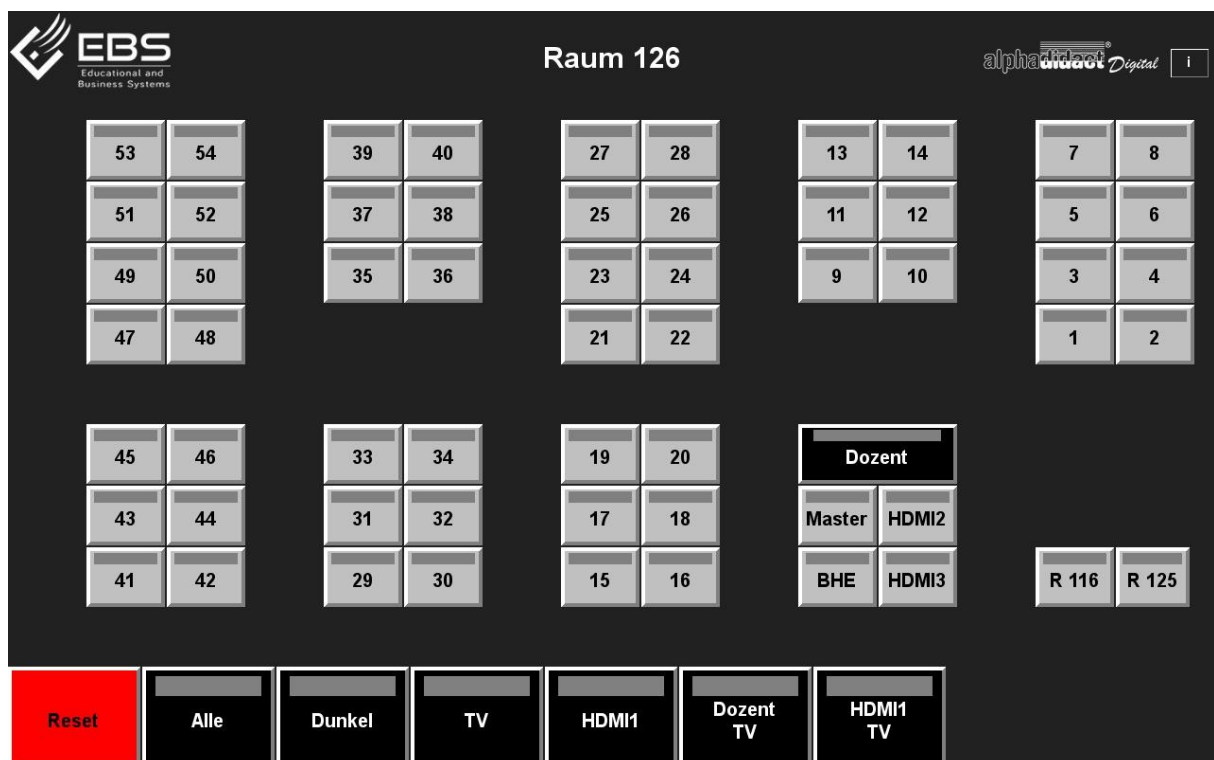
January 2023 - EBS Heusenstamm, Germany

The Center for Dentistry, Oral and Maxillofacial Medicine (Carolinum) is part of the Department of Medicine at the Goethe University Frankfurt. 20 years ago, at the beginning of 2003, the first videodidact® Select systems were installed by EBS Euchner Büro- und Schulsysteme GmbH in the Carolinum Frankfurt.

As part of a modernization and expansion of training capacities, the “old” VGA systems were replaced by new alphadidact® digital multimedia systems in January 2023.

Dentistry students can now receive state-of-the-art training in three laboratories with a total of almost 100 simulation spaces.

A bidirectional connection using optical cables (fiber optics) connects all three laboratories with each other. With just one press of a button, for example: For example, a high-resolution microscope signal can be transmitted to 100 screens in three rooms - without delay and in high digital resolution.



Touchscreen in room 126 | 1+54 simulation places + 6 external connections + connection to rooms 116 and 125

A touch display individually adapted to the respective training laboratory enables the control of the workstations in your own laboratory, as well as selective signal transmission to the other training rooms.

In addition to the operation via the 10" touchscreen, lecturers also have access to an iPad including the EBS alphadidact® app.

Well over 100 digital HDMI inputs and outputs ensure maximum flexibility in training. Whether it's a microscope, a document camera, a laptop or even a tablet - simply connect it and transmit the signal to the desired workplace screens.

As part of the standard scope of delivery, alphadidact® Digital already offers one signal input per participant seat, e.g. B. for connecting any tablet or notebook.

Interactive and lively training courses are only possible through the involvement of individual training participants. Every workstation can be switched as a signal source and thus turned into a "presenter".

Even in the back rows of the training laboratory, participants can follow the respective training content in optimal quality and see it in detail.

Alphadidact® Digital multimedia systems are developed and manufactured by EBS GmbH in Germany and already in use in numerous training rooms and laboratories worldwide.

Further information can be found at www.ebs-euchner.com or <https://www.ebs-euchner.com/en/products/laboratory-systems.html> and on YouTube www.youtube.com/user/EuchnerBS.