

University Hospital Aachen networks its lecture theatres using H264 SD/HD encoders from Teracue

To counter the massive increase in student numbers due to the double university entry year groups and abolishment of national service, the University Hospital Aachen has equipped its lecture theatres with state of the art video broadcasting technology from Teracue. This means students today can take part in a lecture at the same time whilst in several different lecture theatres. Among other things the lecture theatres are used for lectures by the RWTH Medical Faculty based in the building.

The point-to-multipoint broadcast is made possible by a video distribution system on an IP network basis, which allows a video data stream to be fed to any number of end devices. This means that today lectures in the University Hospital Aachen teaching department can be held simultaneously in up to six lecture theatres. For this purpose the lecturer's laptop and their camera image is transmitted simultaneously onto projection systems in the individual rooms in split-screen mode.



To be able to display both SD signals, e.g. the camera and also HD signals, for example a PowerPoint presentation on the laptop, the university uses type ENC-300-DVI and ENC-200 encoders. The ENC-300-DVI for broadcasting H264 and MPEG-4 streaming is specifically suitable for video training and e-learning purposes and supports DVI and HDMI signals with up to 1920 x 1200 pixels. The subsequent conversion of H264 HD streams into RTMP Flash is accomplished using a WOWZA media server. For the live streaming of SD signals the university uses a Teracue ENC-200 type encoder. In the overall system, the Teracue IP solutions give the university hospital maximum flexibility for the simultaneous broadcasting of lectures and makes room occupancy significantly more flexible. The IP-supported solution can also be quickly and easily extended to other rooms.
(Photo courtesy of UKA)

- » [Download Datasheet ENC-300-DVI](#)
- » [Download Datasheet ENC-200](#)

Check out our products at ISE in Amsterdam Jan 31 - Feb 2! We will be pleased to arrange an appointment with our staff. To gain free entry to the exhibition please use the following link: [FREE TICKET REGISTRATION](#) (Invitation Code: 703987).

 Should you require any further information please contact our [IPTV Sales Team](#).

Contact

Teracue AG, Schloßstr. 18, 85235 Odelzhausen
fon: +49 (8134) 55 51 0
fax: +49 (8134) 55 51 99
info@teracue.com, www.teracue.com

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Vorstand: Wolfgang Schmiegelt, Karl-Heinz Wenisch, Aufsichtsratsvorsitzender: Prof. Dr. Hartmut Ernst, Amtsgericht München HRB 138873, USt-IdNr.: DE192108271