

FOR IMMEDIATE RELEASE

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

Odelzhausen, 10. November 2011 – 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.

### **About Teracue AG**

Teracue AG - Broadcast & IPTV Systems was established in 1991 and manufactures video processing solutions for IPTV, video-networking and streaming. Teracue provides encoder, decoder, stream-viewing/recording, as well as DVB-TV gateway and IPTV headend products: used mainly in broadcast and contribution networks, inside playout facilities, for healthcare and medical applications, for corporate and digital business TV, in universities and schools for education and training, inside fire/police centres, control rooms, aerospace companies, military and federal organisations for archiving, monitoring and debriefing. Teracue IPTV products enable professional system integrators to build robust, comprehensive end-to-end IP video systems. More information is available at [www.teracue.com](http://www.teracue.com).

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