

### Live Videostreamer

Live broadcasting during lectures with the help of IP networks is nowadays popular and widespread. Especially colleges would like to record lectures and distribute the broadcast on tablets and PC's of their students. However, the market only offers a low number of products which are usually very expensive or don't fulfil the requirements of the colleges. The goal of this working paper is to close this gap with a new innovative application. This essay therefore broaches the issue of the first prototype. This brings about valuable experience in video compression, converting and distribution. In order to capture and compress the contents of the broadcast efficiently, a newly invented periphery card needs to be tested first. Therefore experience associated with hardware needs to be acquired. As soon as the acquisition is closed properly, the corresponding software can be developed. During the developing process the team has encountered several hard- and software problems which could partly be solved. The new invented concept consists of two video door entries which can be distributed individually or picture in picture. The information is available by commercial gadgets such as tablets, smartphones and PC's. The ability to record contents makes this gadget the desired solution for costumers. Over a user-friendly web interface the application can be operated. The developed product is an operative prototype that fulfils the main requirements of this working paper. After adjusting and solving the remaining problems this application could be a commercially viable product on the market.

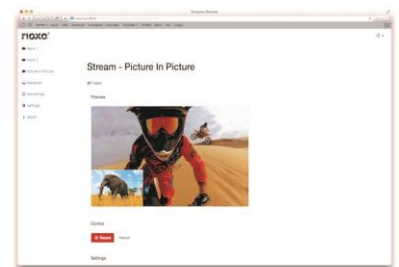


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With the Live-Videostreamer you are able to broadcast presentations and lectures directly to the students smartphones, tablet computers or internet browser.



A simple web interface allows the user to change stream settings or manage recordings. A small preview displays the current stream and gives the user a feedback.