



**MAYAH
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MAYAH'S NEW MPEG-4 H.264/AVC SD EN/DECODER IO [IO] 8000 BRIDGES THREE LOCATIONS IN MEMORY OF FRANZ LISZT

Munich, August 20, 2007: Raiding (Austria), Luxembourg and Bayreuth (Germany) were connected together on July 19th and on July 31st for the unique project by Austrian composer and musician Gerhard Kramer – LISZ[T:RAIN], dedicated to Franz Liszt.

Franz Liszt was born on 22nd October 1811 in Raiding, he performed in the public for the last time in Luxembourg on 19th July 1886, he died in Bayreuth on 31st July 1886. With a composition for three pianos, three percussionists, live electronic and video those three historical places were tightly linked together. In a composition by Gerhard Kramer the Liszt's musical pieces have been re-worked in a form of the musical microcells. Playing the composition at different locations symbolized also the significant elements of Liszt's life: roaming, travels, changes.



At every location, in the historical rooms where Liszt himself performed back in the 19th Century, contemporary musicians have started to play the composition by Kramer simultaneously. The percussionists synchronized themselves using digital

clocks as well as the pianists did. Six IO [io] 8000 audio video en/decoders from MAYAH provided synchronous transmission of pictures and audio signals of a broadcast quality over the public Internet to the fourth location – the train station in Luxembourg. The audio signals were mixed in a digital console and played out to the audience. The videos have been projected with three beamers onto a large screen.

Video signals were encoded at full standard definition resolution with MPEG-4 H.264 and successfully transmitted with bit rates varying from 1 Mbit/s to 2 Mbit/s, partially using the public IP-addresses, partially from the units behind the DSL-Routers. Audio was encoded with MPEG-4 HE AACv2 at 64 Kbit/s stereo for the perceptive transparent audio quality.

The piece by Gerhard Kramer will be performed also in 2011 in Weimar during the celebrations of Liszt's 200th anniversary.

About Gerhard Kramer: Gerhard Kramer was born 1965 in Oberwart (Austria). He studied Organ and church music in Oberschuetzen then musical education and German language and literature in Graz. Since 1989 he's working for regional studio Burgenland of Austrian public broadcaster ORF on a free-lance basis. Kramer wrote compositions for various orchestras and genres and was invited as a session musician and arranger for a large number of projects. He also made significant contributions to several musical festivals in Austria. His works were played in Austria, Germany, Italy, Belgium, France, Slovakia, Lithuania, Philippines and Japan. See also: www.krammer.cd

About IO [io] 8000/8001 MPEG-4 H.264/AVC Audio Video En/Decoder: The new IO [io] 8000/8001 is aimed for a broad application range: from MobileTV (DVB-H / DMB) to STL, SNG and further distribution applications. It provides an IP data stream of a highest compatibility thanks to its full ISMA 2.0 compliance. The strictly standards-based MPEG-4 AVC/H.264 coding algorithm, secures the highest possible picture quality at any bit rates and resolutions from QCIF up to full D1 PAL or NTSC. For absolutely reliable links IO [io] provides such useful features as automatic re-connect and re-sync. Optional feature for transmission with MPEG TS / FEC, either over IP/RTP or ASI makes the IO [io] an extremely flexible tool for various broadcasting applications.

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