

## StreamPlay releases advanced HDMI® repeater solution – The StreamRepeater™

Targeted for AV Receivers, Blu-Ray/DVD Receivers, Home Entertainment Systems

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**Tampere, Finland - 15 September 2009** – StreamPlay Ltd, a developer of HDMI® modules, today announced the StreamRepeater™, an advanced HDMI 1.3 repeater module.

The StreamRepeater™ is an HDMI/HDCP repeater turn key solution, targeted for integration in Home Entertainment Products such as DVD and Blu-Ray Receivers, A/V Receivers, Set-Top-Boxes, Media Centres etc. The module is fully HDMI 1.3c standard compatible, certified by an ATC, providing support for the latest features like Deep Color™ (1920x1080p, 36bit), xvYCC color and High Bit Rate Audio. The StreamRepeater™ offers one HDMI output, three HDMI inputs and several different analog inputs via a separate connection board. Audio and video can be extracted from the module via a host interface and both audio and video can also be transferred to the module via this interface from the host system, typically used for connecting the internal source, such as Blu-ray transport or digital receiver, or for OSD information.



*“Our goal with the StreamPlay turnkey solutions is to provide our customers the fastest, most risk-free and cost effective way to introduce new products with the latest HDMI features and cutting edge technology,”* said Tommi Pajala, CEO of StreamPlay. *“The highly complex design of the StreamRepeater and the fact that it is HDMI certified will save our customers both cost and time, and minimize the risk.”*

### StreamRepeater™ Details

The StreamRepeater™ has three HDMI inputs and one HDMI output. Via a separate analog connection board it's possible to convert also Component Video (YPbPr), Composite Video (Cvbs), S-Video (Y/C), SCART RGB and PC Graphics RGB, to HDMI.

Video from the different input sources can be converted to an HDMI output up to 1080p, but the module has the capability to scale the output both up and down depending on which formats the attached display supports. Interlaced input sources can also be converted to progressive scanning (de-interlacing).

Enhanced audio support enables reception of Multi-channel PCM, Dolby Digital, DTS, Dolby TrueHD and DTS HD Master Audio. The module also offers Dolby Digital and DTS audio decoding and down mixing. Those features make it possible to receive Dolby Digital and DTS audio from the HDMI Inputs, provide multi-channel Dolby Digital and DTS audio to the host system (for decoding and post processing) and simultaneously provide 2ch L-PCM audio to the HDMI display device.

The StreamRepeater™ can easily be controlled via an USART or I2C interface (optionally SPI) through a simple SW API. All A/V Inputs/Outputs (I2S, S/PDIF, Digital Video) and control signals are available on the host interface connector. This easy to use and flexible interface ensures fast integration into any end system.

### **Licensing**

StreamPlay offers the manufacturing files, embedded software, full documentation, and full manufacturing rights to manufacture the StreamRepeater™ module at their customers own factory or CM. StreamPlay will also support their customers in the integration process.

### **Availability**

Evaluation boards are available.

### **About StreamPlay**

StreamPlay is a privately held independent audio/video electronic design house specializing in HDMI® (High-Definition Multimedia Interface®). StreamPlay offers turnkey modules for adding HDMI connectivity to virtually any application. The modules are HDMI certified and designed to be easily integrated into any system. StreamPlay is headquartered in Tampere, Finland, and has a sales office in Stockholm, Sweden. For more information, please visit the StreamPlay website: [www.streamplay.fi](http://www.streamplay.fi)

### **For More Information**

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