

See Comprimato at IBC2017 on Net Insight's stand, 1.B40.

Comprimato Launches Live Transcoder for Broadcast and Streaming

Flexible and extremely cost-effective software-based transcoding

BRNO, Czech Republic, 7 September 2017 – Comprimato, the specialist in high performance software encoding and transcoding, has introduced the Live transcoder. This powerful product provides unlimited scalability, low latency and very high stream density per single software instance and is capable of processing as many as 70 full HD signals in a single third party standard 1RU server.

Systems architects today are faced with many points where multiple signals need to be transported, while retaining the highest possible quality. Carrying each individually, whether as SDI or as a standalone IP stream, is uneconomic in hardware and cabling. The Comprimato Live transcoder addresses this issue.

The software runs on any standard x64 server device with GPUs, or it can be virtualised in a data centre or the cloud. Comprimato Live uses the company's unrivalled expertise in implementing powerful codecs as massively parallel processes in GPU, ensuring very high quality at a fraction of the cost of typical transcoding: only hundreds of dollars per stream.

Its architecture means that the Comprimato Live transcoder is completely scalable, ready for new formats like 4k, HDR or 120FPS. Codecs supported include JPEG2000 for contribution and distribution, as well as H.264, MPEG-2 and H.265 for distribution, at all bitrates to suit the application. All of this is achieved with a guaranteed end-to-end latency of no more than 400 ms.

"The modern, IP-connected world opens huge opportunities, but there remain significant bottlenecks," said Jiří Matela, founder and CEO of Comprimato. "The Live transcoder eliminates one of those bottlenecks, allowing multiple signals to be transported along a single fibre, without compromise, with a great deal of control, and at an extremely cost-effective price point.

"Applications range from creating and delivering all the OTT deliverables at the point of origination to carrying multiple camera signals to a video referee," Matela added. "Once system designers start to use the Live transcoder, they will quickly identify many, many places where it solves an otherwise challenging issue."

As well as transcoding, the software has the ability to perform a range of video processing tasks related to the required delivery formats, including up- and down-scaling, colour component sub-sampling and de-interlacing. It can also insert logos and subtitles, and convert audio formats.

The Comprimato Live transcoder software is now available for download for proof of concept trials. It can be seen in action at IBC2017 (Amsterdam, 15 – 19 September) at Net Insight's stand, 1.B40.

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About Comprimato

Comprimato is a video compression and processing technologies provider offering media & entertainment and geospatial imagery technology company's life-like viewing experience for better enjoyment and more accurate decision-making. With specialisation on JPEG2000, standard compliant software codec leverages the power of AMD, Intel and NVidia GPUs and CPUs to speed up real-time high-resolution video and image compression 4X in video processing devices. Because of its unique GPU acceleration, Comprimato also powers interactive video editing workflows based on the JPEG2000 mezzanine format. Comprimato's codecs significantly increase transcoding from IMF and MXF master files to distribution formats like H.264 and H.265 (HEVC), saving infrastructure costs by 70%, reducing development cycles by 50% and enabling new revenue streams such as 4K, High Dynamic Range (HDR) and High Frame Rate (HFR) video. Founded in 2013 and headquartered in Brno, Czech Republic, Comprimato's codecs are trusted by several leading global media and entertainments companies such as Telestream, Nokia OZO and Technicolor. For more information about how Comprimato can help you speed up your video and image compression to transform your business, please visit www.comprimato.com

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