Rohde & Schwarz monitoring and multiviewer solution successfully tested for compatibility with packaging solution from Keepixo

Rohde & Schwarz tested the Genova Origin packaging solution from Keepixo for compatibility with its R&S PRISMON monitoring and multiviewer solution. R&S PRISMON successfully received and monitored in detail all common OTT protocols, including HLS and MPEG-DASH. Rohde & Schwarz focused in particular on subtitle packaging tests based on diverse formats.

Munich, September 13, 2017 — Genova Origin from Keepixo is a virtualizable software that implements three main functions required by OTT TV systems: packaging, recording, delivery. Its packaging component is used to create OTT TV formats such as HLS, and DASH/CMAF, enabling live TV, but also start-over and time-shift. Its live-to-file component is provided for implementing catch-up TV. Its HTTP delivery component efficiently delivers live and video-on-demand (VOD) content to OTT TV consumers.

The new R&S PRISMON automatically monitors transmitted broadcast and streaming media content in parallel. Service providers can use the combination of R&S PRISMON and Genova Origin to meet their contractual requirements with respect to service quality and availability. The two companies therefore tested the Genova Origin packaging solution and the R&S PRISMON monitoring and multiviewer solution for compatibility, with successful results.

Bjoern Schmid, Director of R&D Monitoring & Analysis at Rohde & Schwarz, commented, "We are very pleased with Genova Origin and the smooth and professional cooperation with Keepixo. Thanks to the straightforward user interface, we could quickly and easily configure the required settings. The Keepixo solution is compatible with our R&S PRISMON, so we are able to provide the industry with an efficient, versatile monitoring tool tailored to the requirements of OTT providers."

"Genova Origin, with its integrated packager, aims at enabling broadcasters and service providers to implement their live OTT TV service", said Jerome Blanc, COO for Keepixo. "This successful interoperability test with R&S PRISMON monitoring solution is an important milestone to us, as it yet further proves how Keepixo technologies can be integrated in the broadcast and OTT TV ecosystems."

R&S PRISMON supports transport standards such as SDI, AIMS/SMPTE 2110, SMPTE 2022-6, SMPTE 2022-1/2, HLS, HSS, MPEG-DASH as well as media formats such as MPEG-2/4, HEVC and TICO. Users can efficiently and flexibly add new standards and media formats via software upgrades. R&S PRISMON automatically detects dropouts and content errors in realtime, using sophisticated monitoring functions such as "video freeze with whitelisting" and "video content compare".

A large number of channels – including those in UHD quality – can be monitored in parallel with R&S PRISMON and visualized in a straightforward manner on a multiviewer video wall. R&S PRISMON is easy to set up and operate via its intuitive, web-based user interface. It is up and running within a very short time and can be administered via SNMP or remote API. Users can conveniently adjust the layout of the multiviewer video wall to their specific needs using graphical editors. R&S PRISMON allows fast and easy operation and administration under widely varied operating conditions.

The monitoring and multiviewer solution is now available from Rohde & Schwarz on hardware at several performance levels and as a cloud-based installation.

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Rohde & Schwarz
The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.
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About Keepixo:
Keepixo, the spin-off of Allegro DVT's broadcast business, is a leading provider of software-based and cloud-ready head-end solutions for IPTV & OTT TV. Offering a complete range of products, it covers the Encoding, Packaging and Delivery functions of the OTT TV chain. This includes live and file video transcoders, feature-rich OTT packagers, mosaic generators, and a live-to-file recording solution for catch-up TV. Keepixo solutions are used by more than 150 customers including 40 tier-1 operators worldwide.