

PRESS RELEASE

Flawless & Low Latency KVM over IP Applications Thanks to WorldCast's SureStream Technology

April, 2022 - [WorldCast](#), a leading global supplier of advanced broadcast and connectivity solutions, announces the SureStream for KVM, a transformation of KVM infrastructures ensuring pixel-perfect transmission, latency free video and flawless audio, even over imperfect IP networks. This ground-breaking solution is based on award-winning SureStream technology, which has already been proven in thousands of broadcasting deployments worldwide and is now being extended into the mission-critical broadcast control room. The company showcased the new solution at the 2022 NAB Show.

Nothing is as mission-critical to the broadcaster as maintaining superlative KVM (Keyboard Video Mouse) response times between on-premise and co-location production and playout environments. Yet jitter, latency, packet loss and the rubber mouse phenomenon continue to plague any applications that leverage IP networks.

With a combination of redundant streaming technology, packet-forwarding, and virtual trunking solutions, SureStream provides reliable Quality of Experience (QoE) for any content and any media over IP networks, and at a low cost, with high resilience, security, and simplified management and control.

Ken Kearney, R&D Manager for APT & SureStream Range at WorldCast Systems, said, "Media companies no longer need to deploy dedicated network infrastructure for remote KVM systems to ensure high performance. With SureStream the transmission is flawless, with latency-free video and audio delivery. They can send KVM, audio, and serial signals to networked stations or video monitors at scale to wherever the IP network extends, without sacrificing QoE."

The SureStream KVM solution elevates the user experience through two new capabilities. First, it combines all available network links into one single link. This virtual trunk (V-Trunk) technique optimizes the available bandwidth. The second step involves packet loss protection. SureStream technology can guarantee virtually zero packet loss while utilizing 50% of actual trunk bandwidth capacity.

Comments Kearney, "With IP-based systems, there is no limit to the number of endpoints that can be added to a KVM system; the only limitation is the bandwidth of the user-supplied network that supports the system. SureStream delivers peak bandwidth performance across IP networks with no packet loss, regardless of location, making the transition to IP-based systems and their inherent architectural flexibility and cost advantages more practical for broadcasters."

SureStream is a sophisticated redundant streaming solution that sends multiple streams from the same source to the same destination for enhanced reliability and resilience. It is media-agnostic and application-aware, meaning it addresses the packet-loss problem from both a networking perspective and an application perspective, allowing it to serve mission-critical KVM applications. Furthermore, SureStream also prioritizes Keyboard and Mouse data for unmatched QoE.

The flexible licensing models for SureStream further increase the potential use cases. Enterprises can deploy into private clouds; OEMs can embed SureStream within new products and services; and broadcasters can cut CAPEX by harnessing the new software-defined 'as-a-service'.

SureStream is available for deployment today.

###

About WorldCast Group - We are global company and a leading solutions provider of advanced media solutions that enhance quality of experience and service, backed by over 60 years of broadcast experience. Our group is made up of two companies, WorldCast Systems and CONNECT, which thrive thanks to a talented, multicultural team of 80 with different backgrounds and expertise.

Our business is to design, develop, and commercialize innovative hardware and software solutions that cover the entire media and broadcast chain. Our scope of expertise is broad and our know-how is deep. With our extensive portfolio of brands, APT, Ecreso, Audemat, Kybio, Tagit, and SureStream, we bring to market next-gen media solutions.

We are lucky to count among our customers a number of major actors from different industries. We are trusted by large network operators, national and community broadcasters, media solution providers, regulation authorities, as well as educational and healthcare institutions. From products to turnkey solutions, WorldCast Group accompanies its customers throughout all phases of their project.

Headquartered in Bordeaux, France, and with a subsidiary in the US, our group generates more than 85% of its turnover internationally. Our customers can count on our sales representatives across multiple continents and a large network of trusted distributors.

CONTACT

Chantal Fourgeaud, Director of Marketing Communications, c.fourgeaud@worldcast.group