

Ereca's Olivier Stockemer gives a Q & A insight to the new Stage Racer 2



Q: In a nutshell, can you describe what is Stage Racer 2?

A: Stage Racer 2 is a decentralized and scalable transmission & processing solution for every broadcast event, ranging from a simple OB interconnect to complex star, ring or linear topology spread over TV Compounds, Studios and Remote Locations. Each SR2 frame is a node able to send and receive broadcast signals from other nodes on the network.

Q: What signals does SR2 transport?

A: Each SR2 frame offers the following signals

- 16x SD/HD/3G direction switchable SDI ports and 8x SD to 12G direction

switchable SDI ports

- Distributed Genlock/Tri Level Reference
- 16 bi-directional Analogue Audio I/O (with optional mic gain/48V module on 8 channels),
- 4 AES3 bidirectional ((Intercom panel compatible),
- 1 MADI, I/O (AES10) (Shared with 2 of the 4 AES connectors)
- Dante/AES-67, optional audio module with supporting 64 channels.
- 2 Ethernet 10/100/1000Mb
- 2 Data RS 232/422/485 and GPIO (optional 6 additional 500Kbps RS422 serial channels)
- 8 Contact closures.

Q: What is the connection between SR2 frames?

A: Frames are

interconnected by duplex singlemode fibres. Each frame has 4 duplex LC trunk ports with each port having 40Gbs I/O of data (equivalent of 25 HD signals in/out) and so total of 160 Gbits in each direction per node.

Q: You mentioned processing, what features does SR2 offer?

A: As standard each SR2 frame has SDI Embedding/De-Embedding, and shuffling of any audio eg: A Dante Audio from Machine A can be routed to a Madi channel of Machine B and embedded into a SDI output of machine C. 16 frame buffers with A/V delay and Dynamic Bandwidth allocation and much more to come.

Q: Much more? Can you give us a peek of what's coming? What are the future processing features?

A: We will soon implement Tico compression codec on 12G SDI ports to increase network capacity, Embedded multiviewers and an ST-2110 compliant port providing a bridge to and from the IP world.

Q: Is SR2 simple to setup?

A: Ereca's products are known for their simplicity of control. SR2's built in web server enables configuration and monitoring of the SR2 network from any node without the need of additional computer software. Graphic crosspoint grids provide point and click connection

for the various signal levels. 3rd party control is provided by the built in Ember+ protocol interface.

Q: What sets the SR2 apart from the crowd?

A: Stage Racer 2's advanced technology combines distribution and processing of the latest digital and IP based signals. A single SR2 1RU frame has the functionality of multi-channel router, synchroniser, embedder/de-embedder and multiviewer, thus saving cost and space. Two or more frames connected together form the most advanced broadcast production network available.

Q: What about the environmental impact, often neglected?

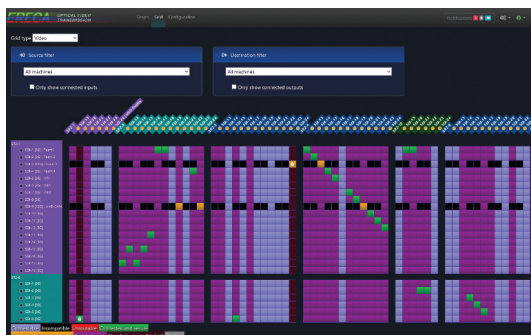
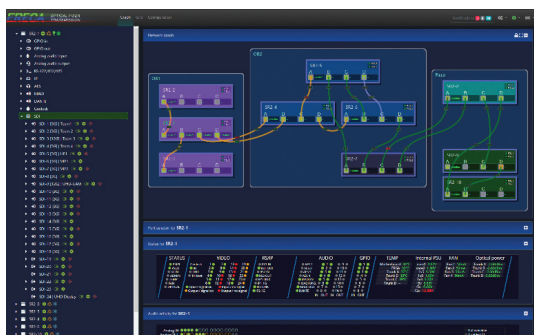
A: SR2 is designed and built in France with mostly local subcontractors to minimize carbon footprint. Latest FPGA techniques are used, allowing low power consumption

<100W / frame. The unit achieves a very efficient and silent cooling thanks to a thorough design on internal heatsinks and venting grilles allowing a hassle-free use in hot environment. SR2 Frames are designed to be highly recyclable, enclosure and internal mechanical parts are mostly made with aluminium and stainless steel and keep custom plastics to a minimum.

Q: Thanks. That really sounds like an exciting product. Where can we get our hands on it?

A: Most of our local dealers have demo units and there are also many rental companies with sufficient units to cover even big events. You can check our website for details www.ereca.fr/contacts.

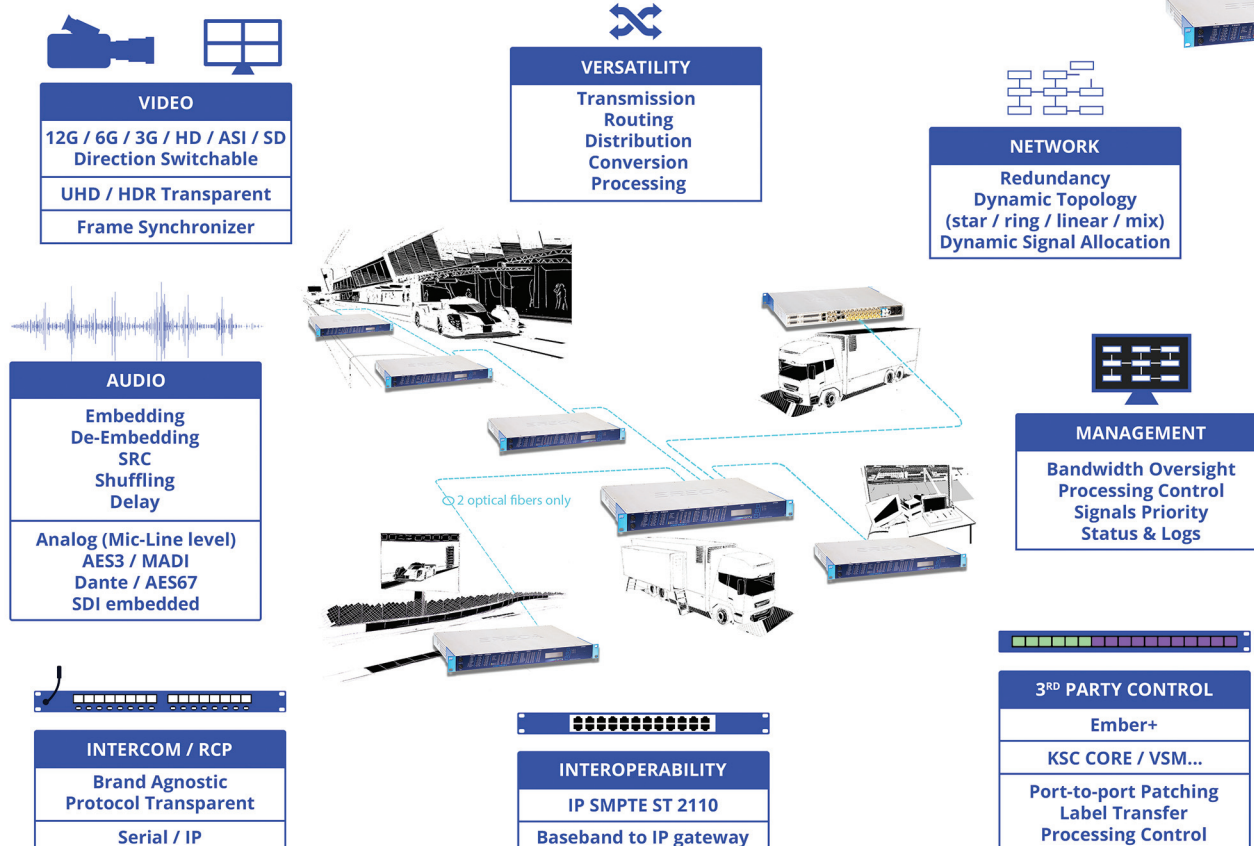
For sales and more information contact Mi Broadcast Ltd, tel 01223 411625, email sales@tac4.com



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