

CSR-4032

Compact 32x32 12G-SDI Router with
Optional Multiviewer and Clean
Outputs



2024 Datasheet

The **CSR-4032** is designed to meet the demands of small to medium broadcast facilities, offering robust support for 32x 12G/6G/3G/HD/SD-SDI inputs and 32+4x outputs, all housed in a compact 2RU chassis. With its low footprint and redundant network interfaces, along with hot-swappable power supplies, the CSR-4032 is ideal for mission-critical installations. Four additional outputs can be configured as independent outputs or monitoring outputs linked to any user-specified input or output. It ensures transparent operation with ancillary and audio data, making it suitable for HDR and Dolby-enabled chains. By utilizing a reference input for switching at standard-defined lines, it minimizes the impact on downstream devices.

The CSR-4032 features an intuitive, integrated web-based user interface for configuration and monitoring, which includes access control, I/O labeling, fixed route definition, log viewing, backup creation, and device health monitoring. Physical control panels and API support enable the application of desired routes with ease. It supports simultaneous connections, salvo actions, and destination locking, enhancing the flexibility of its control options.

The enhanced **CSR-4032-CQ** version adds two outputs with clean and quiet switching. It provides frame synchronization on video and V-fade transition on embedded audio for seamless switching between same-format SDI sources.

The **CSR-4032-MV** version incorporates multiviewing capability for the first 18 inputs and one clean-and-quiet output. Multiviewer functionality can be utilized in single 18-tile output or dual 9-tile output configurations, making it an ideal solution for OB vans and small studios. This game-changing combination in a 2RU form factor offers exceptional flexibility and performance for a range of broadcast applications.

Key Features

- 2RU, rack-mount
- Automatic bit rate detection on the input equalizer allows any mix of 12G, 6G 3G, HD, SD, and DVB-ASI signals in the same unit
- Four AUX outputs can act as independent outputs or mirror of any specified output
- Cable loss compensation on input stage and re-clocking on output stage
- Control via Samim control panels or API

- Web-based user interface
- Remote firmware upgrade
- Redundant power supplies

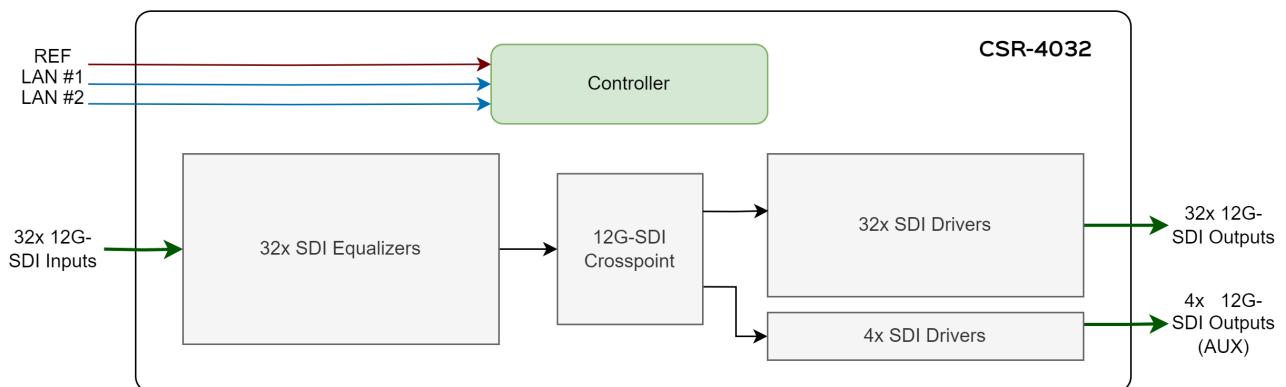
Key Features, -CQ version

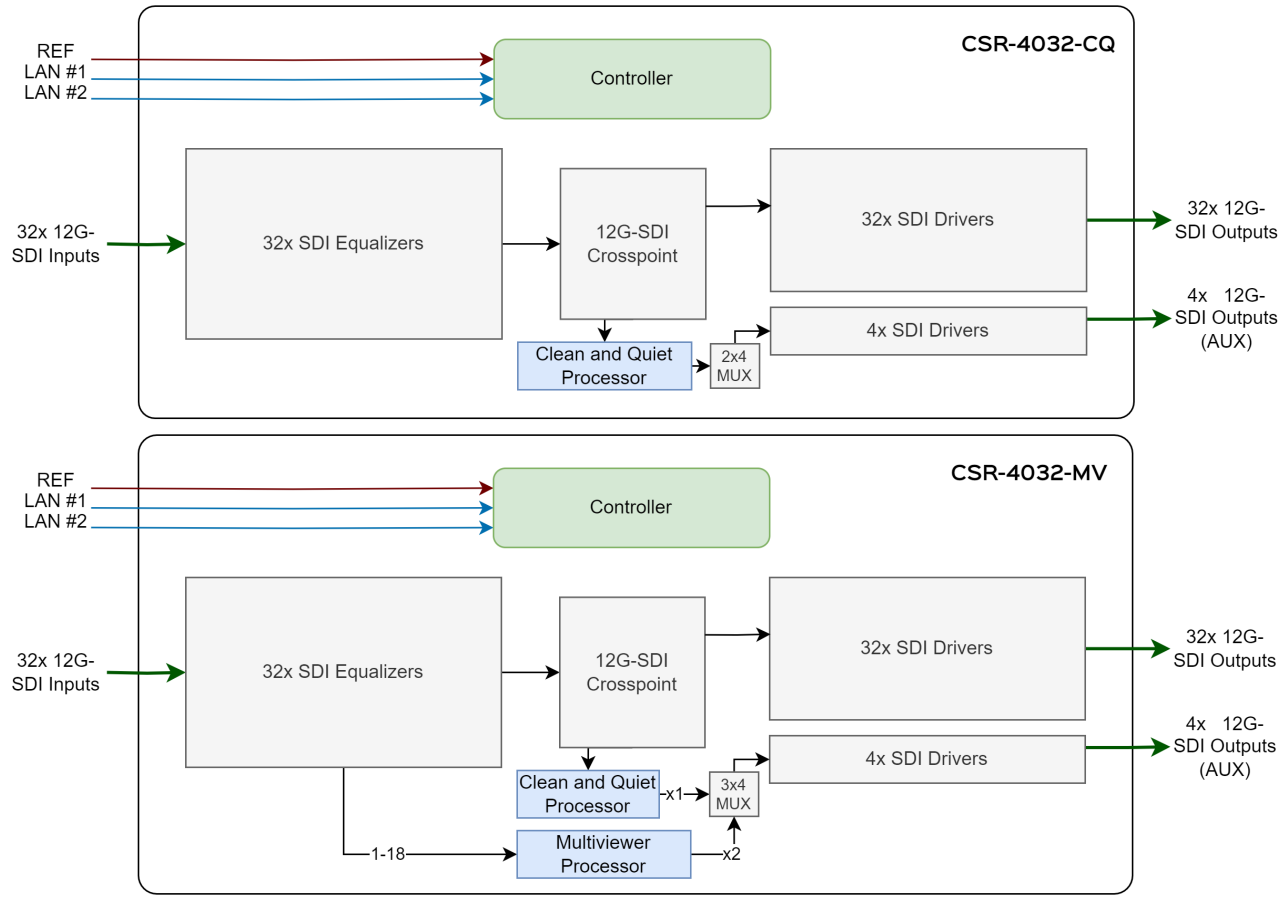
- Two clean and quiet outputs over AUX outputs
- Input loss compensation: black, freeze, or auto switch (change-over)
- Support of common ancillary data packets
- Configurable V-fade duration

Key Features, -MV version

- One clean and quiet output over AUX outputs (For more info refer to -CQ version features)
- Two configurable multiviewer outputs
- Up to 18 user configurable PIPs
- Video analysis and alarming (unlock, freeze, black)
- Embedded audio analysis and alarming (absence, silent, mono, out-of-phase, overload)
- Easy integration with Samim GPIO gateways for tally and alarm GPO

Block Diagram





Ordering Information

Order Code	Description	Type
CSR-4032	2RU Compact 32x32 12G-SDI Router with Four AUX outputs	Base, Config 1
CSR-4032-CQ	2RU Compact 32x32 12G-SDI Router with Two Clean Outputs	Base, Config 2
CSR-4032-MV	2RU Compact 32x32 12G-SDI Router with Multiviewer and One Clean Output	Base, Config 3
MOD-CSR-PS	AC/DC Power Supply for CSR Platform	Mandatory Option (x2)

With over two decades of extensive experience in the broadcast and media industry, Samim Group has emerged as a rapidly growing manufacturer and developer of professional-grade hardware and software solutions that cater to Broadcast Production Infrastructure, Intercom Systems, and Media Business Automation. We remain attuned to the latest technological advancements, ensuring we deliver high-standard solutions and products that can be marketed globally.

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