

# EOD-4202

## Dual Channel 12G-SDI Electrical to Optical Converter

2025 Datasheet

The **EOD-4202** is a converter that transforms 12G/3G/HD/SD-SDI/ASI electrical signals into optical signals. This module has the ability to transmit two digital video signals through fiber optic connections.

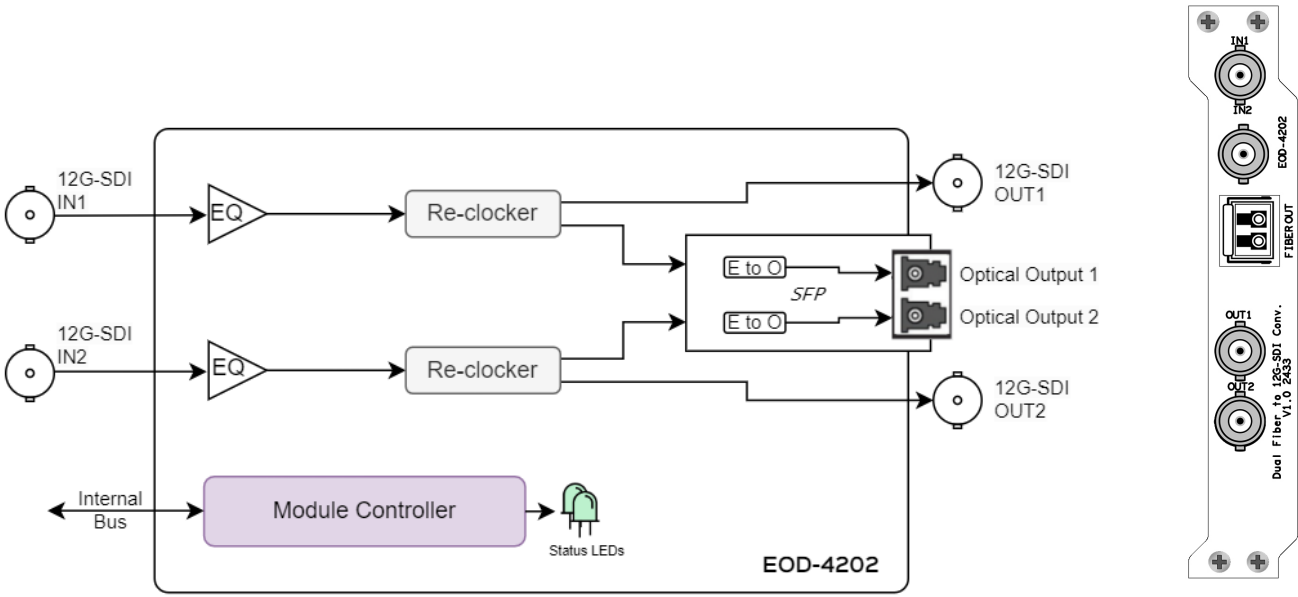
It features automatic detection of input signals, performs two conversions on a single circuit board, and re-clocks the input signals. Users can employ different SFP modules, adjusting for various output powers and wavelengths according to the link length and receiver sensitivity. There are also two SDI outputs available as an active loop to facilitate monitoring or distribution.

A web-based user interface is accessible for monitoring, and LED indicators on the front of the module provide updates on its operational status.

### Key Features

- 2x 3G-SDI BNC as input
- An active loop output per input
- Supports SMPTE ST 2082, ST 2081, 259M, SMPTE 292M, SMPTE 424M, and DVB-ASI standards
- Optical connection via various range of SFPs
- SFP parameters monitoring: wavelength, power, and temperature
- Input re-clocking
- LED status indicators
- Web-based user interface
- Remote firmware upgrade

Block Diagram



System Requirements

Type	Product	Description
Frame	SRM-0655	3RU Frame with Controller

Ordering Information

Order Code	Description	Type
EOD-4202	Dual Channel 3G/HD/SD-SDI Electrical to Optical Converter (Lite)	Main Board
EOD-4202-3SRP	Single slot back-panel for EOD-4202 (compatible with SRM-0655)	Back Panel
Contact Samim	For SFP specification	Accessory

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.  
©Samim Group. All rights reserved. Specifications are subject to change without notice.



✉ sales@samimgroup.com  
🌐 www.samimgroup.com