EOD-3220

Dual Channel 3G/HD/SD-SDI
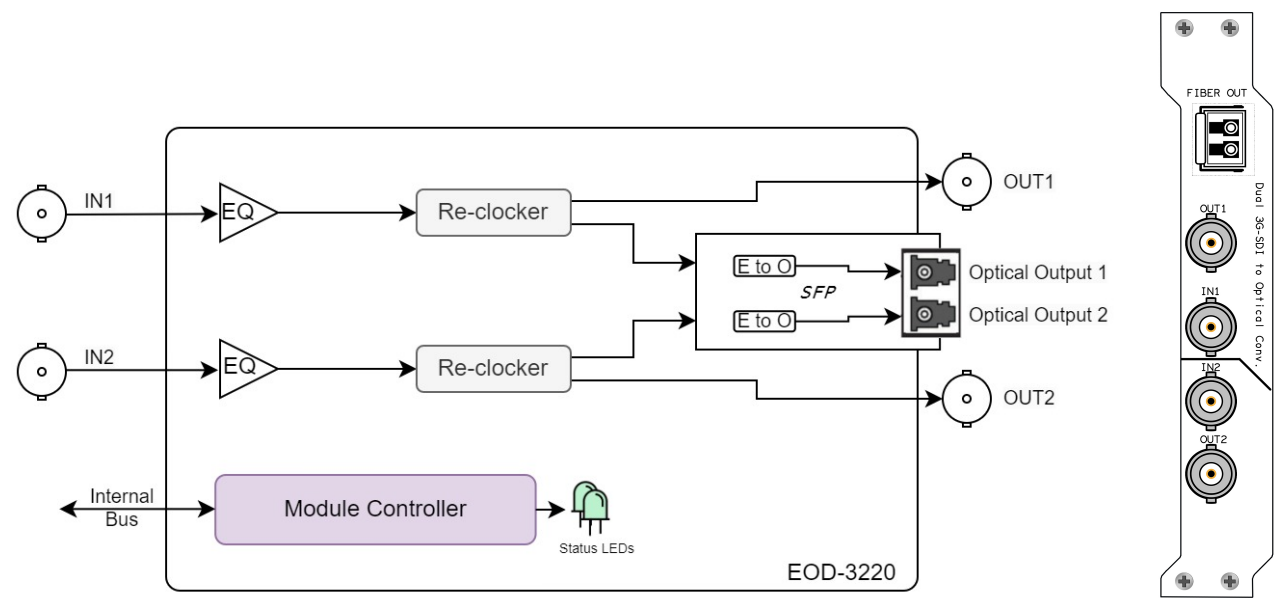Electrical to Optical Converter (Lite)

2024 Datasheet

The EOD-3220 is a 3G/HD/SD-SDI/ASI electrical signals to optical signals converter. The module can transmit two digital video signals over fiber optic links.

The EOD-3220 performs automatic input signal detection, two conversions on a single board, and input signal re-clocking. Users can use different SFPs with various output powers and wavelengths related to the link length and receiver sensitivity. Two SDI outputs are also available as active loop to ease monitoring or distribution.

The web-based user interface is available for monitoring purposes. Also, LED indicators on the front edge of the module, inform the user about the operational status of the module.

Key Features

- 2x 3G-SDI BNC (as input)
- Supports SMPTE 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
- An active loop per input
- 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-3220	Dual Channel 3G/HD/SD-SDI Electrical to Optical Converter (Lite)	Main Board
EOD-3220-3SRP	Single slot back-panel for EOD-3220 (compatible with SRM-0655)	Back Panel
FBR-0003	Video SFP, Dual Transmitter, -5 to 0dbm, 10km, 0.27~3Gbps, 1310nm	Accessory
Contact Samim	An SFP with other power and wavelength specification	Accessory

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