

3G-SDI Fiber Optic Extender

1-Channel 3G-SDI + 1 Return Genlock + Gigabit Ethernet

2 →

3G-SDI

← 1

Genlock

System Design

VOS-1H3GRL-ET/R provides 1-Channel uncompressed 3G-SDI over fiber, with return Genlock and Gigabit Ethernet. 3G-SDI supports one loop output for local display, dual outputs for two displays in the remote end.

Stand-alone or rack-mount. All 3G-SDI video over Fiber of VOS-1H3GRL-ET/R comes in an insert card version. The cards can be inserted into our 16-slot, 19inch 4U rack (VOS-CH04).



Data

← 1 →

Ethernet

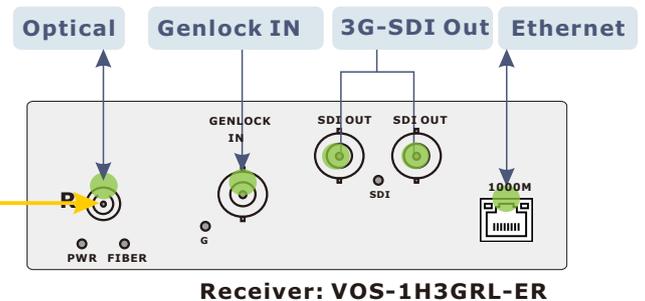
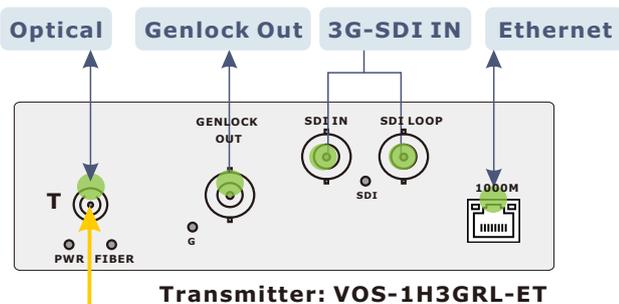
Features

- Support SMPTE 424M / 292M / 259M or DVB-ASI compliant
- Automatic detection of 3G, 1.5G, 270M SDI data rates
- Support Video Pathological Patterns for 3G/HD/SD-SDI
- Support SDI Re-clocking, reduce SDI jitter
- Genlock support Blackburst or Tri-level
- Support embedded digital audio stream
- Support Single-mode up to 20km, Single-Fiber
- Stand alone or rack-mount

Application:

- Outside Broadcast
- Sports Broadcasting
- Remote PTZ Camera Connectivity
- Studio to Control Room Links
- Security Monitoring
- Remote Broadcasting
- Live Event Broadcasting

Panel & Configuration



3G-SDI Fiber Optic Extender

Ordering Information

Part Number	Description
VOS-1H3GRL-ET/R	1-Channel 3G-SDI + 1 Return Genlock + Gigabit Ethernet, Transmitter & Receiver Single-mode 20km, Single-Fiber

Specification

• Video	
Number of Channels:	1-Channel 3G-SDI
Connector:	BNC (Gold Center Pin)
Data Rate:	270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.967 Gbps, 2.970 Gbps, - Auto Select
Standards:	SMPTE 424M (3G-SDI), SMPTE 292M (HD-SDI), SMPTE 259M (SD-SDI), DVB-ASI
Input/Output Level:	800mVp-p (+/- 10%)
Input/Output Impedance:	75 Ohms
Return Loss:	> 10 dB @ 3 Ghz, >15dB @ 1.5Ghz
Jitter:	< 0.2UI
• Genlock	• Ethernet
Number of Channels:	1-Channel Return
Connector:	75 Ohm BNC (Gold Center Pin)
Type:	Analog Black Burst, HD Tri-Level
	Number of Channels:
	Data Rate:
	Connector:
	RJ-45, Auto MDI/MDI-X
• Electrical & Mechanical	
	Input Power Requirements:
	Power Adapter:
	Power Consumption:
	Stand-Alone Dimensions:
	Shipping Weight:
• Optical	• Environmental
Optical Connector:	Operating Temperature:
Wavelengths:	Storage Temperature:
Fiber Type:	Relative Humidity:
Rate:	MTBF:
Tx Output Power:	
Receiver Sensitivity:	