

1

3G-SDI

2

Audio

1

Data

1

Contact Closure

1

Ethernet

3G-SDI Fiber Optic Extender

1-Ch 3G-SDI with Audio, Data, Tally & Ethernet

System Design

VOS-1H3G-ADCET/R provides 1-Channel 3G-SDI /HD-SDI, 2 duplex audio, 1 duplex data(Rs485, Rs232 or Rs422), contact closure for tally and Ethernet.

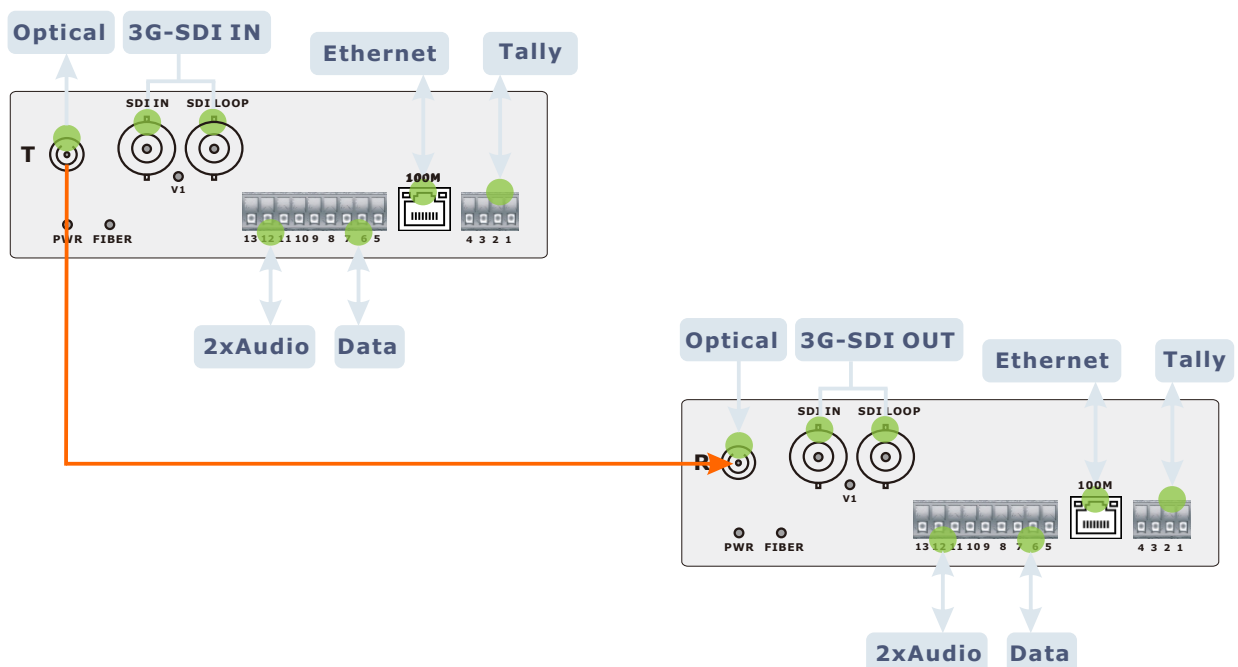
Stand-alone or rack-mount. All 3G-SDI video over Fiber of VOS-1H3G-ADCET/R comes in an insert card version. The cards can be inserted into our 16-slot, 19inch 4U rack (VOS-CH04).

Features

- Multi-channel 3G-SDI transmission over one core fiber with CWDM
- Support SMPTE 424M / 292M / 259M or DVB-ASI compliant
- Automatic detection and re-clocking of 3G, 1.5G, 270M SDI data rates
- Supports embedded digital audio stream
- Coax inputs are equalized(EQ), Coax outputs are with driving function (CD)
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
- Stand alone or rack-mount
- Plug and Play



Panel & Configuration



3G-SDI Fiber Optic Extender

Ordering Information

Part Number	Description
VOS-1H3G-ADCET/R	1-Channel 3G-SDI + 2 Duplex Audio + 1 Duplex Data + 1 Duplex Contact Closure + 100M Ethernet, Single-mode 20km, Single-Fiber

Specification

• Video Number of Channels: 1-Channel 3G-SDI Connector: 75 Ohm 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) Max Resolution: 1080p @ 60Hz	• Audio Number of Channels: 2-Channel Duplex Audio Connector: Terminal Block Audio input/output Level: +4dBu nominal Audio Type: Unbalanced, Line Level Audio in/output impedance: 600Ω Frequency Response : 20Hz ~ 20KHz Sample Rate : 48KHz, 24K bit rate Signal-to-Noise Ratio(SNR): > 82 dB Distortion: <0.05%
• Data * Number of Channels: 1-Channel Duplex Data Connector: Terminal Block Data Type: Rs485 or Rs232 or RS422 Data Rate: DC to 1Mbps	• Ethernet Number of Channels: 1-Channel Data Rate: 10/100 Mbps Connector: RJ-45, Auto MDI/MDI-X
* Note: the device can support Rs422, Rs232 or Rs485 data type, but this must be configured by the factory, so please choose the configuration prior to placing the order.	• Optical Optical Connector: ST, FC or LC optional Wavelengths: 1310/1470/1550nm Fiber Type: Single-Mode 20km Rate: 3Gbps Tx Output Power: > -6dB Receiver Sensitivity: > -14dB
• Tally * Number of Channels: 1-Ch Duplex or 2-Ch Simplex Connector: Terminal Block Data Formats: Dry Contact Closure Status: Normally Open (Default) Response Time: 2 ms Relay/Contact Rating: 0.5 A @ 120VAC 0.25 A @ 240VAC 1A@30VDC 5A@6VDC Max output power: 30W	• Electrical & Mechanical Input Power Requirements: DC 5V@2A Power Adapter: AC100V~240V Power Consumption: <5W Stand-Alone Dimensions: 192mm x 167mm x 45mm Shipping Weight: 2.0kg (include TX & RX)
* Note: the device can support 1 duplex or 2 Simplex contact closure, but this must be configured by the factory, so please choose the configuration prior to placing the order.	• Electrical & Mechanical Operating Temperature: -20°C ~ +75°C Storage Temperature: -40°C ~ +85°C Relative Humidity: 0%~95% (non-condensing) MTBF: >100,000 hours