

1-Channel 3G-SDI + 2 Duplex Balanced Audio + Data, Contact Closure & Gigabit Ethernet

1
3G-SDI

2
Audio

1
Data

1
Contact Closure

1
Ethernet



System Design

VOS-1H3G-BLADCET/R provides 1-Channel 3G-SDI and 2 duplex balanced audio, also with serial data, contact closure for tally, and Gigabit Ethernet.

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
- 19inch 1U Rack

Panel & Configuration



3G-SDI Fiber Optic Extender

Ordering Information

Part Number	Description
VOS-1H3G-BLADCET/R	1-Channel 3G-SDI + 2 Duplex Balanced Audio + 1 Duplex Data + 1 Duplex Contact Closure + 1000M Ethernet
VOS-1H3GR1-BLADCET/R	1-Channel 3G-SDI + 1 Return 3G-SDI + 2 Duplex Balanced Audio + 1 Duplex Data + 1 Duplex Contact Closure + 1000M Ethernet
VOS-2H3G-BLADCET/R	2-Channel 3G-SDI + 2 Duplex Balanced Audio + 2 Duplex Data + 1 Duplex Contact Closure + 1000M Ethernet
VOS-2H3GR1-BLADCET/R	2-Channel 3G-SDI + 1 Return 3G-SDI + 2 Duplex Balanced Audio + 1 Duplex Data + 1 Duplex Contact Closure + 1000M Ethernet

Specification

• Video Number of Channels: 1~2-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: XLR Male/Female Audio input/output Level: +4dBu nominal Audio Type: Balanced, Line Level or Mic Audio in/output impedance: 600Ω Frequency Response : 20Hz ~ 20KHz Signal-to-Noise Ratio(SNR): > 90 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 * 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.	• Ethernet Number of Channels: 1-Channel Data Rate: 1000 Mbps Connector: RJ-45, Auto MDI/MDI-X
• 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 * 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.	• Optical Connector: ST, FC or LC optional Fiber Type: Single-Mode 20km Wavelengths: 1310-1610nm Tx Output Power: >-6dB Receiver Sensitivity: >-14dB
	• Electrical & Mechanical Power Adapter: AC100V~240V (Built-in) Power Consumption: <30W 19inch 1U Rack: 445mm x 220mm x 44.5mm Shipping Weight: 6.0kg (include TX & RX)
	• Electrical & Mechanical Operating Temperature: -20°C ~+75°C Storage Temperature: -40°C~+85°C Relative Humidity: 0%~95% (non-condensing) MTBF: >100,000 hours