



12G-SDI Repeater 500742

Overview

The 12G-SDI Repeater (Model 500742) is a 12G-SDI to 12G-SDI Repeater with Amplification and Re-clocking Technology and auto source video format detection. It performs high-quality, low-delay video auto format detection, video signal re-clocking, and video signal amplification for transmission over a long distance. It features one 12G-SDI video input, one 12G-SDI loop video output, a locking Power Supply connector, and a USB port for software control and firmware upgrade. An output LED shows the status of the Phase Locked Loop (PLL) Video Signal Locking.

Applications

- Video production & Broadcasting
- Studio-to-studio & Post production
- Outside broadcasting vehicle
- Mobile video & Live events
- SDI Camcorders
- Medical imaging

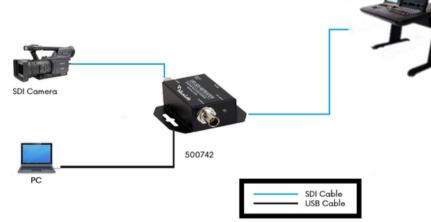
Key Features

- Wide support of SDI video signal resolutions
- High Quality 12G-SDI Re-clocking & Amplification Technology
- Multi-Standard Support (12G, 6G, 3G, HD, and SD-SDI)
- Auto Source Video Format Detection
- Supports 16-channel, 24-bit Audio formats
- Easy plug and play installation
- Rugged design and integrated brackets for easy mounting

Specifications

opecifications	
Specifications	
Environment	SD-SDI up to 12G-SDI
Video Resolution	12G-SDI
Distance at 12G-SDI	Input 100M / Output 100M (Cable: Canare L-5.5CUHD) Input 70M / Output 50M (Cable: Belden 1694A)
Distance at 3G-SDI	Input 100M / Output 100M (Cable: Belden 1694A)
USB Link	Mini-USB
Power Supply	12VDC, Locking connector
Working Temperature	0°C to 40°C, up to 95% humidity non-condensing
Storage Temperature	-20°C to 60°C. Bring to working temperature range before power-up.
Supported Video Formats	
SDI Input Video Resolutions	12G-SDI 4096x2160p, 60/50fps 3840x2160p, 60/50fps 6G-SDI 4096x2160p, 30/25/24fps 3840x2160p, 30/25/24fps 3G-SDI 1920x1080p, 60/50fps HD-SDI 1920x1080p, 30/25/24fps 1920x1080p, 60/50fps 1920x1080p, 30/25/24fps 1920x1080p, 60/50fps 1920x1080p, 60/50fps SD-SDI 720x480i, 60/50fps 720x576i, 50fps 720x576i, 50fps
SDI Output Video Resolutions	SDI Loop Through has same video resolutions and frame rates as SDI Video Input
Supported Audio Formats	
SDI Audio Input SDI Audio Output	Up to 16-Channel, 24-bit, up to 48 kHz Up to 16-Channel, 24-bit, up to 48 kHz
Mechanical	
Housing	Black Metal Enclosure
Dimensions	100 x 70 x 26mm
Warranty	2 years
Order Information	500742 12G-SDI Repeater (UPC: 627699007426)

Application Diagram





2321 Cohen | St-Laurent , H4R 2N7 | Québec, Canada Tel: 514-905-0588 | Fax: 514-905-0589 | Toll free: 1-877-689-5228 info@muxlab.com | salesteam@muxlab.com | www.muxlab.com

Production Console

Follow us: f 🎽 in 🖸

DS-500742