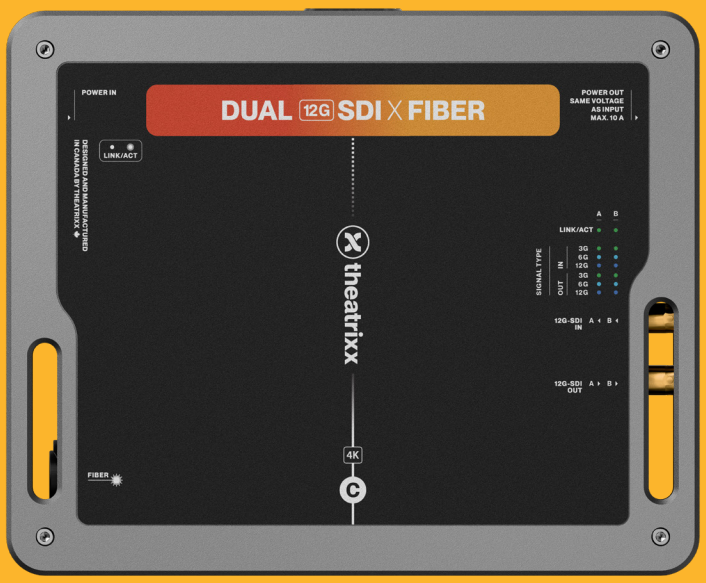
DUAL 12G-SDI X FIBER
standalone converter

XVVB2SXF-12G

Fiber serie — C bi-directional /cross signal

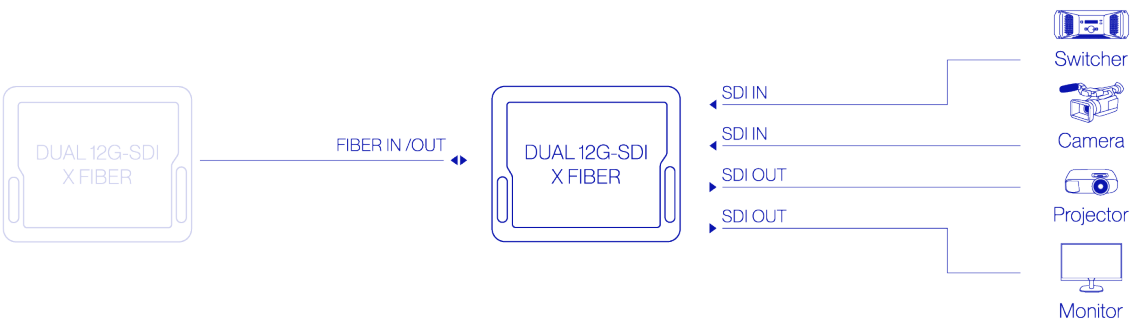


The 12G-SDI to Fiber Cross Converter provides bidirectional conversion of two 12G-SDI signals to fiber and two fiber inputs to 12G-SDI outputs, all through a single opticalCON QUAD connector. It features a rugged enclosure, an integrated power supply with courtesy outlet, and multiple mounting options.

features

- **SFP-based video transmission** for interoperability with standard SDI over fiber devices.
- **Reclocked and amplified** SDI loop thru.
- **Rugged, Tour-Ready Enclosure:** Built to endure and designed to impress; reliable, rugged, and effortlessly stylish.
- **Integrated Power Supply:** Eliminate the hassle of unreliable external power supplies.
- **Industrial grade, locking powerCON** connection for secure and consistent power.
- **Built-in Convenience AC Outlet:** Power a Theatrixx converter, monitor, or laptop directly from the unit, eliminating the need for power bars. and streamlining your setup.
- **Plug-and-Play Operation:** No fiddly dipswitches, buttons, or confusing menus; just reliable performance straight out of the box
- **Clear Status LED Indicators:** Instantly identify signal and power status with clear, easily visible LED indicators for swift troubleshooting.
- **Colour and Alphabetic Coding System:** Easily identify units in the field with Theatrixx's unique colour and alphabetic labelling system.
- **Multiple Mounting Options:** Flexible mounting solutions include C-Clamp, wall-mount adapter and monitor mounts.
- **Magnetic Stacking System & Non-Slip Rubber Base:** Stack and mount units securely with our unique magnetic feature.
- Proudly designed and assembled **in Canada.**

workflow example



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specifications

Overview

1. powerCON TRUE1 Inlet
2. opticalCON QUAD
   *Available in Single Mode or Multimode
3. Mounting plate (M10x1.5)
4. powerCON TRUE1 Outlet
5. SDI signal type (A-B)
6. 2 x 12G-SDI Input (A-B)
7. 2 x 12G-SDI Ouput (A-B)

Signal Connectors

Video Input	2 x 12G-SDI BNC 2-Channels Optical SDI on opticalCON QUAD, available in Single Mode or Multimode
Video Output	2 x 12G-SDI BNC 2-Channels Optical SDI on opticalCON QUAD, available in Single Mode or Multimode

Supported Signals

Video Format Support	12G / 6G / 3G-SDI (Level A & B), HD-SDI and SD-SDI with embedded audio
SDI Auto Switching	Automatically detects incoming signal format
SMPTE Standards	ST 259M, ST 292M, ST 424M, ST 425M (Level A & B), ST 2082-1, ST 2082-10
Embedded Audio	Up to 16 channels, 24bit, 48KHz

Physical Specifications

Dimensions	221 mm (8.7 in) (H) x 180 mm (7.081 in) (W) x 62 mm (2.44 in) (D)

Power Requirements

Input	powerCON TRUE1
Courtesy Outlet	powerCON TRUE1 output. Same voltage as input. Max 10A.
Power Consumption	45W max.
Power Supply	Built-in power supply
Voltage Range	100-120V, 50-60Hz

Environmental Specifications

Relative Humidity	0 % to 90 % non-condensing
Operating Temperature	0 - 40 °C

Certifications & Compliance

This device complies with the following international standards.

In the Box

XVVB2SXF-12G · Theatrixx Converter DUAL 12G-SDI X FIBER

AC Mains to powerCON TRUE1 cable - 1.5m (specify plug type at ordering)

25MMX65CM · Strap

BHM10X20SS · M10-1.50 X 20mm Hex Bolt - Stainless Steel

SFHM1015-30-SS · Screw - Flat Head - Hex Drive - M10-1.5 - 30mm - 18.8

related products and accessories

XVVSXF-12G	Theatrixx Converter - Bidirectional - 12G SDI X Fiber - No Option - Must Specify Fiber
XVV-CC2-B	Theatrixx Converter - Carrying Case for 2 units - B-Size - 923
XVV-VM-B	Theatrixx Converter - Vertical Mount - B-Size
MSCB-CS	The Light Source - Mega-Slim-Coupler - 3/8" Flat - Countersunk - Black