



DUAL 12G-SDI X FIBER

Fiber Series —  bi-directional/cross signal

The Dual 12G-SDI to Fiber Cross Converter enables simultaneous bidirectional conversion of two independent 12G-SDI signals over a single opticalCON QUAD connection. Supporting 12G / 6G / 3G-SDI, HD and SD formats (Level A & B) with embedded audio, it delivers maximum signal integrity through reclocked outputs and SFP-based transmission for full compatibility with standard SDI-over-fiber infrastructures. Housed in a rugged, tour-ready enclosure, it features a universal 100–240V integrated power supply with locking powerCON TRUE1 input and AC courtesy outlet, making it ideal for high-density touring and permanent installations.

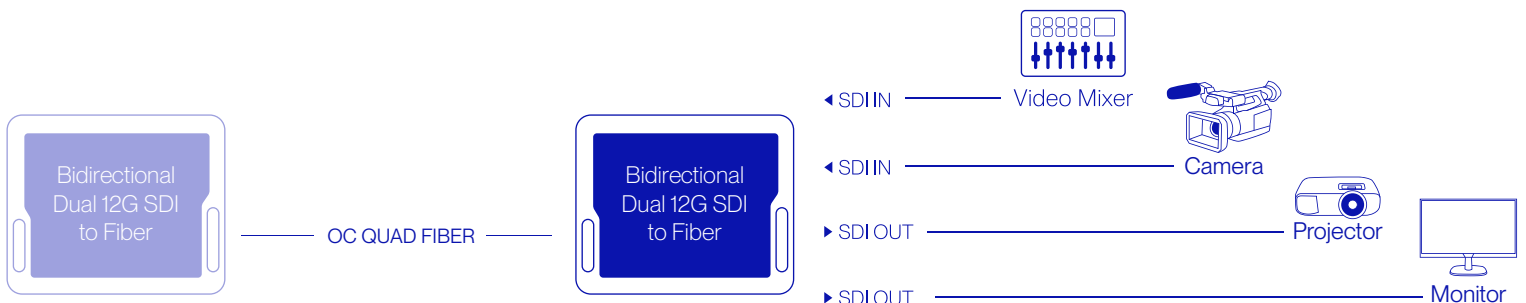
 Proudly designed and assembled in Canada.

 [View on Website](#)

features

- **Reclocked and amplified SDI** outputs
- **Built-in SDI splitter** with two dual SDI output ports
- **12G-SDI support** for Ultra HD and high frame rates
- **Available with opticalCON DUO or QUAD connectors**, supporting single-mode or multimode fiber
- **SFP-based video transmission** for compatibility with standard SDI-over-fiber equipment
- **Rugged, tour-ready and aesthetic enclosure** built for professional use
- **Integrated internal power supply**: never rely on a cluster of wall-warts again
- Industrial-grade **locking powerCON** connector for secure power
- **Built-in AC convenience outlet** for powering external devices
- **Plug-and-play operation** with no configuration switches or menus
- Clear **LED indicators** for signal and power status
- Unique **colour and alphabetic coding system** for easy field identification
- Flexible **mounting options**, including C-clamp, wall, and monitor mounts
- **Magnetic stacking system** with non-slip rubber base for tabletop application

workflow example



specifications

overview



- 1 PowerCON TRUE1 Inlet
- 2 OpticalCON QUAD
*Available in singlemode or multimode
- 3 Mounting Plate (M10x1.5)
- 4 PowerCON TRUE 1 Outlet
- 5 Fiber Link Status
- 6 SDI Input Signal Type (A-B)
- 7 SDI Output Signal Type (A-B)
- 8 2 x 12G-SDI IN (A-B)
- 9 2 x 12G-SDI OUT (A-B)

signal connectors

VIDEO INPUT	2 x 12G-SDI BNC 2-Channel Optical SDI on opticalCON QUAD, available in Single Mode or Multimode
VIDEO OUTPUT	2 x 12G-SDI BNC 2-Channel 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
SMPTE STANDARDS	SMPTE ST 259M, SMPTE ST 292M, SMPTE ST 424M, SMPTE ST 425M (Level A & B), SMPTE ST 2082-1, SMPTE ST 2082-10

physical specifications

DIMENSIONS	221 mm (8.7 in) (H) x 180 mm (7.08 in) (W) x 62 mm (2.44 in) (D)
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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	100-240V, 50-60Hz

related products and accessories

- XVVSXF-12G — Theatrixx Converter - Bidirectional - 12G SDI X Fibe
- XVVB2FSETH-12G — Theatrixx Converter - Fiber to Dual 12G-SDI + Ethernet
- XVV-CC2-B — Theatrixx Converter - Carrying Case for 2 units - B-Size - 923

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