



12G-SDI X FIBER

Fiber Series —  bi-directional/cross signal

The 12G-SDI to Fiber Cross Converter provides true bidirectional conversion between one 12G-SDI signal and one optical fiber link in a compact, tour-ready enclosure. Supporting 12G / 6G / 3G-SDI, HD and SD formats (Level A & B) with embedded audio and automatic signal detection, it ensures reliable performance with reclocked output and SFP-based transmission for seamless compatibility with standard SDI-over-fiber systems. Featuring an integrated power supply with locking powerCON input and AC convenience outlet, it is built for dependable operation in both field and fixed installations.

 Proudly designed and assembled in Canada.

 [View on Website](#)

features

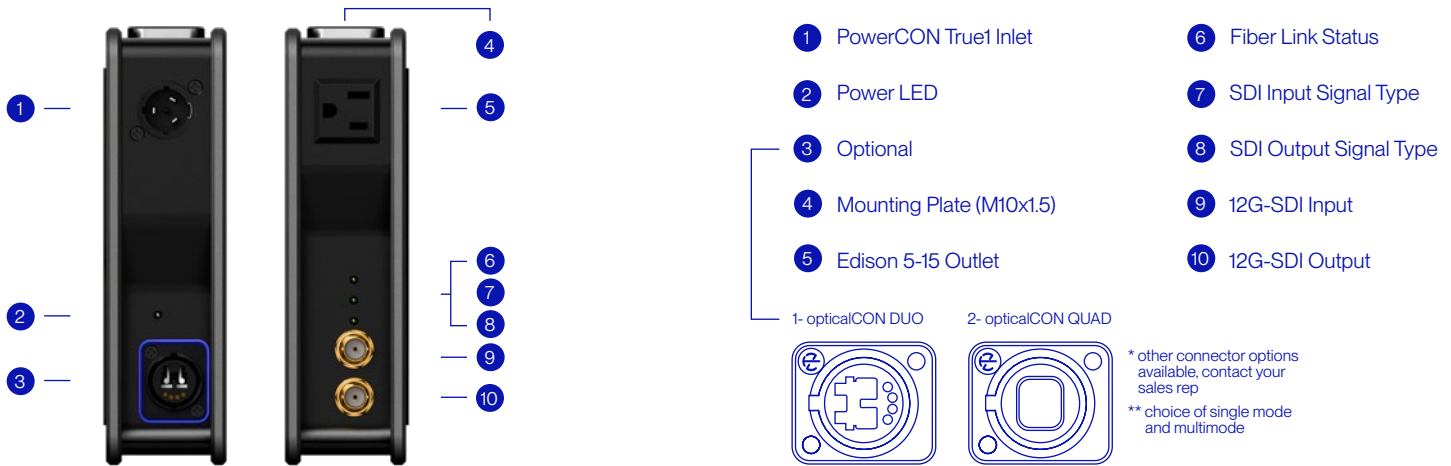
- **Reclocked and amplified SDI output**
- **12G-SDI support** for Ultra HD and high frame rates
- Available with **opticalCON DUO or QUAD connectors**, supporting single-mode or multimode fiber
- **SFP-based video transmission** for compatibility with standard SDI-over-fiber equipment
- **Rugged, tour-ready 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



signal connectors

VIDEO INPUT	1x 12G-SDI BNC 1X Optical SDI, choice of opticalCON DUO, opticalCON QUAD on Single Mode or Multimode
VIDEO OUTPUT	1x 12G-SDI BNC 1X Optical SDI, choice of opticalCON DUO, opticalCON QUAD on 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	Automatic signal type detection
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	180 mm (7.08 in) (H) x 107 mm (4.21 in) (W) x 50 mm (1.97 in) (D)
ALTERNATE FORM FACTOR	Also available as a Reversible Module

power requirements

INPUT	powerCON TRUE1
COURTESY OUTLET	Edison Nema 5-15 output. Same voltage as input, Max 10A
POWER CONSUMPTION	15W max
POWER SUPPLY	Built-in power supply
VOLTAGE RANGE	100-120V, 50-60Hz

related products and accessories

XVRF8 — Theatrixx 8-Bay Frame
XV-CC2 — Theatrixx Converter - Carrying Case for 2 units - 910

XVV-VM-A — Theatrixx Video Converter - Vertical Mount - A-Size
MSCB-CS — The Light Source - Mega-Slim-Coupler - 3/8" Flat - Countersunk - Black

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

XVVSXF-12G · Theatrixx Converter Bidirectional - 12G SDI X Fiber
AC Mains to powerCON TRUE1 cable - 1.5m
25MMX40CM · Strap