

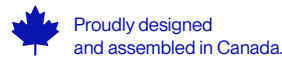


## Dual 12G SDI + Ethernet PoE++ to Fiber

Fiber Series — **A** transmitter

This unique converter combines dual 12G-SDI inputs with two 1Gbps PoE++ ports (up to 90W per port) over a single fiber link, enabling simultaneous video transport, device control, and power delivery for equipment such as PTZ cameras.

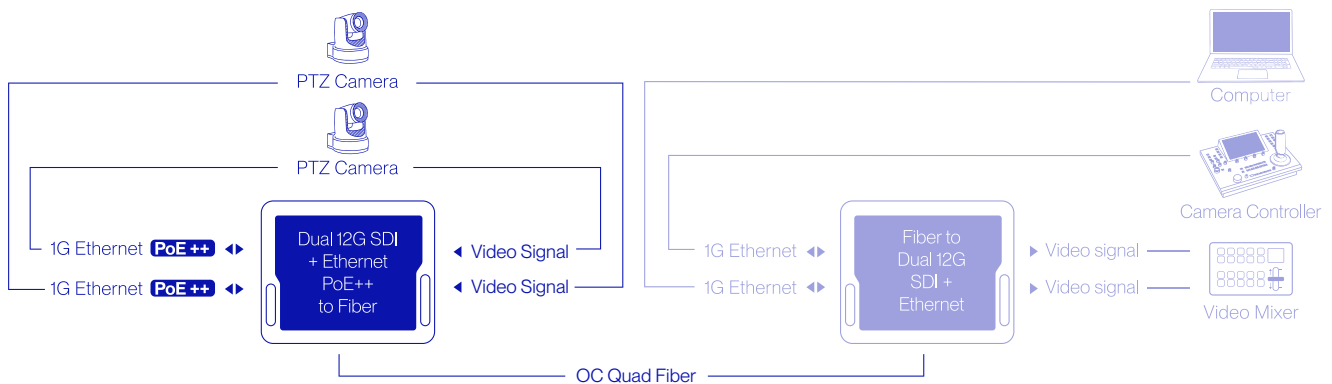
Designed for efficient and reliable deployments, it ensures signal integrity through re-clocked SDI loop-through and integrates a robust power architecture within a compact and well-engineered enclosure.



## features

- **Dual 12G-SDI support for Ultra HD** and high frame rates
- Integrated **1Gbps Ethernet channel with two ports** for LAN over fiber
- Total PoE++ budget **up to 180W** (2 x 90W)
- All signals over a **single opticalCON Quad** fiber cable
- Compliant with **IEEE 802.3af/at/bt standards**, supporting high-power devices like PTZ cameras
- **Reclocked and amplified** SDI loop-through
- Available in **single-mode or multimode Quad** fiber
- **Integrated internal power supply designed for 24/7 operation:** 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
- **Rugged and aesthetic enclosure** built for professional use
- **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



## overview



- 1 powerCON TRUE1 Inlet
- 2 2 x 1 Gbps etherCON Ports, PoE++
- 3 Fiber Link Status and Power LEDs
- 4 opticalCON QUAD  
\*Available in single-mode or multimode
- 5 Mounting Plate (M10x1.5)
- 6 powerCON TRUE 1 Outlet
- 7 SDI Signal Type (A-B)
- 8 2 x 12G-SDI IN (A-B)
- 9 2 x 12G-SDI Loop-through (A-B)

## specifications

### signal connectors

<b>VIDEO INPUT</b>	2 x 12G-SDI BNC
<b>LOOP-THRU</b>	2 x 12G-SDI BNC
<b>ETHERNET PORT</b>	2 x 1 Gbps Ethernet on etherCON
<b>POWER OVER ETHERNET</b>	2 x IEEE 802.3at/bt PoE++ Type 3 and 4 (up to 90W per port)
<b>TOTAL POWER BUDGET</b>	180W
<b>VIDEO OUTPUT</b>	1 x Optical SDI on opticalCON QUAD, available in single-mode or multimode

### supported signals

<b>VIDEO FORMAT SUPPORT</b>	12G / 6G / 3G-SDI (Level A & B), HD-SDI and SD-SDI with embedded audio
<b>SMPTE STANDARDS</b>	ST 259M, ST 292M, ST 424M, ST 425M (Level A & B), ST 2082-1, ST 2082-10
<b>SUPPORTED PROTOCOLS</b>	IEEE 802.3ab, 802.3at (PoE+), 802.3bt Type 3/4 (PoE++)

### physical specifications

<b>DIMENSIONS</b>	221 mm (8.7 in) (H) x 180 mm (7.08 in) (W) x 62 mm (2.44 in) (D)
<b>ALTERNATE FORM FACTOR</b>	Only available as a standalone converter

### power requirements

<b>INPUT</b>	powerCON TRUE1
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### related products and accessories

XVVB2FSETH-12G · Theatrixx Signal Processor - Fiber to Dual 12G-SDI + Ethernet  
 XVVRM2FSETH-12G · Theatrixx Reversible Module - Fiber to Dual 12G-SDI + Ethernet  
 XVV-CC2-B · Theatrixx Signal Processor - Carrying Case for 2 units - B-Size - 923

<b>COURTESY OUTLET</b>	powerCON TRUE1 output Same voltage as input, max 10A
<b>POWER CONSUMPTION</b>	300W max
<b>POWER SUPPLY</b>	Built-in power supply for 24/7 operation
<b>VOLTAGE RANGE</b>	100-240V, 50-60Hz

### environmental specifications

<b>RELATIVE HUMIDITY</b>	0 % to 90 % non-condensing
<b>OPERATING TEMPERATURE</b>	0 - 40 °C

### certifications & compliance

This device complies with the following international standards



<b>WARRANTY</b>	5 years
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### in the box

XVVB2SFPOE180-12G - Dual 12G-SDI + Ethernet PoE++ to 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