

## EFP to fiber system A1

( 3G/HD-SDI, Genlock, Return CVBS, Intercom, Remote, Tally, V lock, )



### Description:

The EFP to fiber system A1 with 3G/HD/SD-SDI video & Remote & Tally & Audio(Intercom) & Return video & Genlock Multiplexer that allow transport of pathological patterns high-definition video and CD audio high sampling rate 58khz over standard fiber optic networks. Only one dual fiber cable is needed to transmit all required signals for a remote camera and it's operator in both directions over kilometers.

The Live Connector Remote Camera Interface System is designed to handle news, sports, and other day-to-day remote interfacing needs with ease. Live Connector offers an advanced portable, single-mode optical interface for ENG and OB vans, SNG vehicles, and production trailers. Features include 3G/HD/SD-SDI video path, on-air and cue audio, intercom, remote, and Ethernet data. Uses two single-mode fibers and models are available with a variety of optical connectors. Live Connector is an ideal infrastructure solution for airports, studio complexes, arenas, and campus environments.

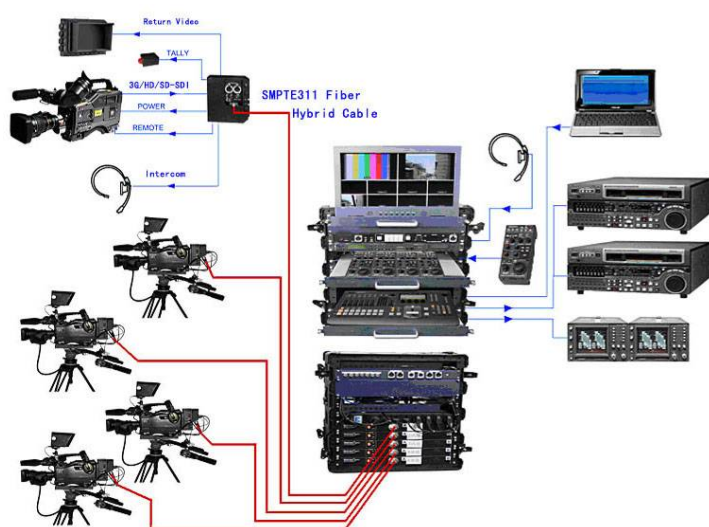
Benefits of the EFP to fiber system A1: ( Item No.: EFP-A1 )

- 1) 1x 3G-SDI
- 2) 1x Genlock
- 3) 1x Return video (CVBS)
- 4) 1x Intercom ( Point to Point )
- 5) 1x Sony Remote 8-Pin
- 6) 1x Tally
- 7) 4x V-Lock on camera end, 1x Rack mount on base end
- 8) Dual LC Connection

**Features:**

- 1) Transmit 3G HD-SDI video and embedded audio over one fiber.
- 2) Support 270Mb/s to 2.97Gbit/s.
- 3) Broadcast Signal Quality, Compliance with SMPTE 424M, SMPTE 292M and SMPTE 259M.
- 4) Immune to pathological patterns over the entire link budget and operating temperature range.
- 5) Automatic cable EQ (Belden 1694A cable) to 100 meters at 3G HD-SDI transmission.
- 6) LED indicators.
- 7) Supports hot swapping and hot plugging.

**Typical project:**



**Technical Performance list:**

Product Name:	EFP to Fiber System A1	
Product Model:	Transmitter: EFP-A1-T, Receiver: EFP-A1-R	
Optical Fiber:	Dual fibers, LC/ST connector, Compatible with multimode or single mode fiber	
Extend distance:	Up to 15km via single mode fiber optic cable	
Working Environment:	Working Temperature: 0°C ~ +75°C; Relative Humidity: 0 ~ 95% (no cold condensation)	
Dimension:	TX: SONY V-Lock on camera end, RX: 19" 1U rack mount on base end	
Warranty:	2 Years warranty	
Packing in the box:	4x Transmitter, 1x Receiver, 5x Power adapter,	
<b>Optical Performance:</b>		
Fiber Connector:	Transmitter: 2x LC/ST	Receiver: 2x LC/SCT
Working Wavelength:	1310nm/1550nm	
Return Loss:	> 15dB	
Shake:	< 0.2UI	
<b>Electric Performance:</b>		
Power adaptor:	AC 90-260V input, DC 12V1A output	
MTBF:	> 100000 Hours	