

## EFP to fiber system A100

( [Link to Datavideo MCU100](#) )



### Description:

The EFP to fiber system A100 includes 4 Camera Optic Adaptors and a Optic Base Station, with 3G/HD/SD-SDI video & Remote & Tally & Audio(Intercom) & Genlock over fiber extender, 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.

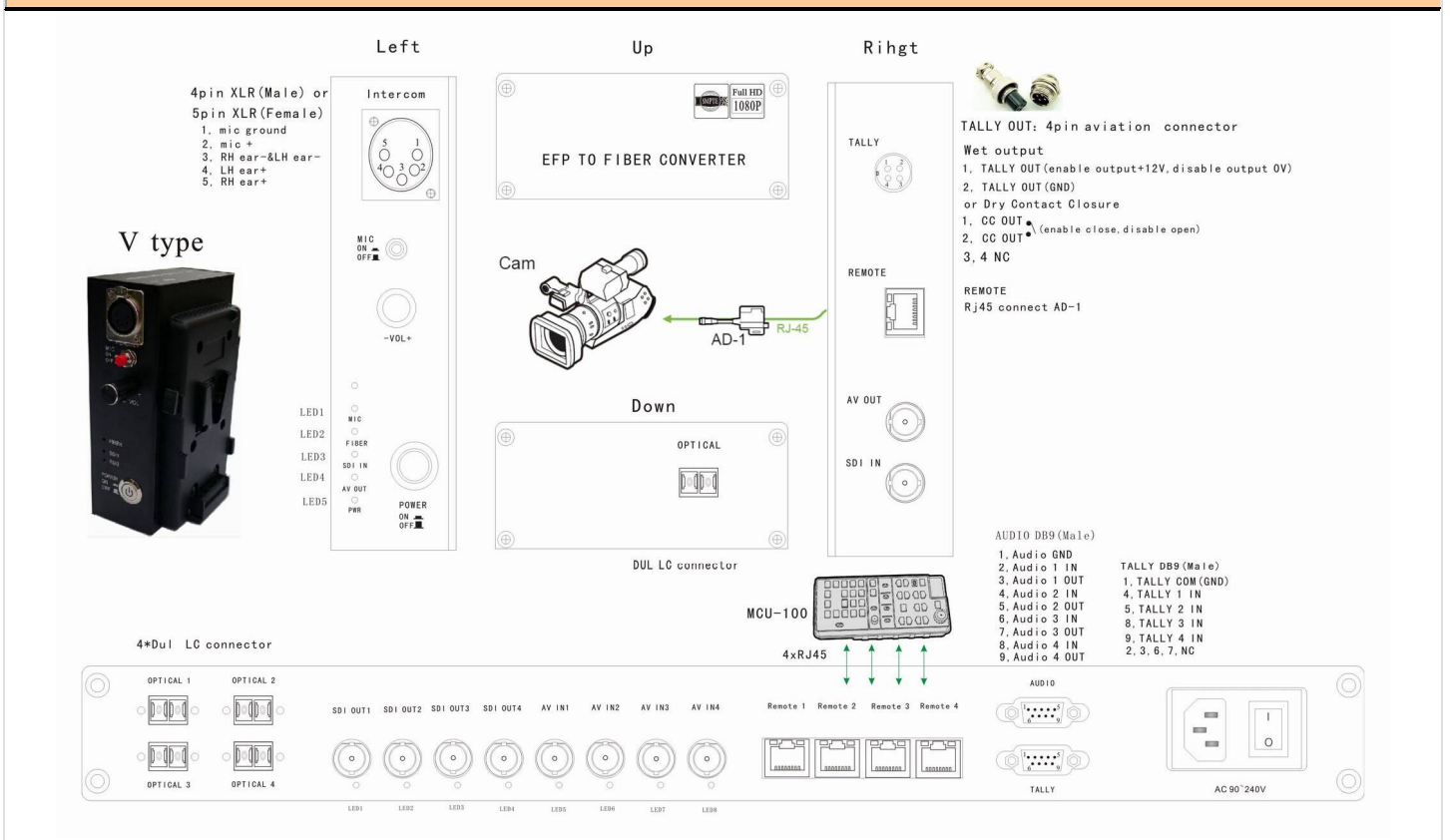
Benefits of the EFP to fiber system A100: ( Item No.: EFP-A100 )

- 1) 1x 3G-SDI
- 2) 1x Volume Control
- 3) 1x Return video (CVBS)
- 4) 1x Intercom
- 5) 1x Remote ( RJ45, [Link to Datavideo MCU-100](#) )
- 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.

## Diagram:



## Technical Performance list:

Product Name:	EFP to Fiber System A100
Product Model:	Transmitter: EFP-A100-T, Receiver: EFP-A100-R
Optical Fiber:	4x Dual Fibers, LC/ST connector, Compatible with multimode or single mode fiber
Extend distance:	Up to 15km over 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 or A -type on camera end, RX: 19" 1U rack mount on base end
Warranty:	2 Years warranty
Packing in the box:	4x Camera Optic Adaptor, 1x Optic Base Station,

## Optical Performance:

Fiber Connector:	Camera Optic Adaptor: 1x Dual LC	Optic Base Station: 4x Dual LC
Working Wavelength:	1310nm/1550nm	
Return Loss:	> 15dB	
Shake:	< 0.2UI	

## Electric Performance:

Power adaptor:	AC 90-260V input, DC 12V1A output
MTBF:	> 100000 Hours

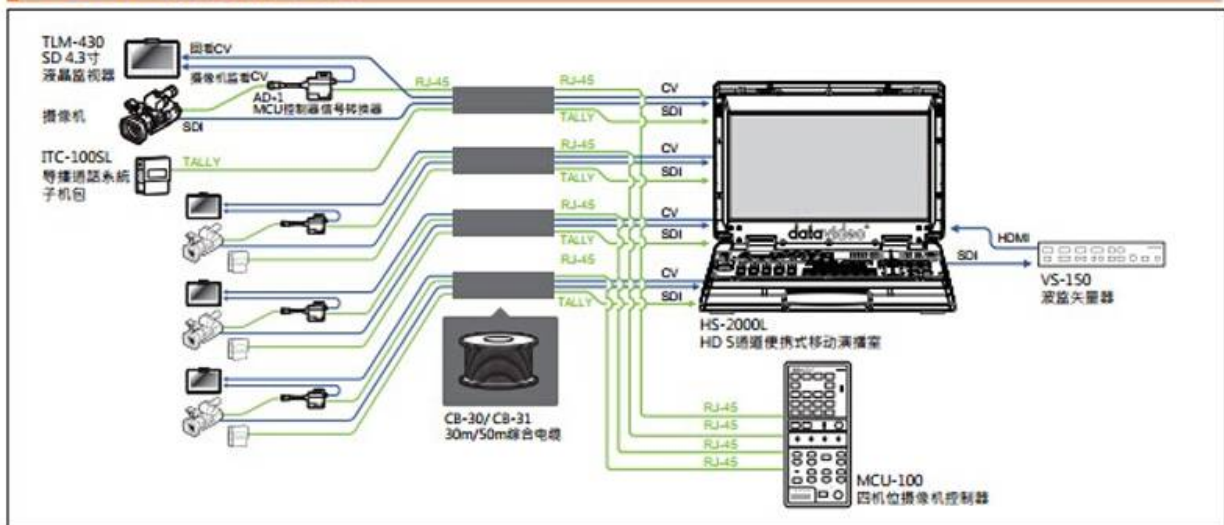
## A photo of the base end:



A photo of the Datavideo MCU 100:



## MCU-100系统连接示意图



一台MCU-100可连接和控制四台摄像机、调整四台摄像机的参数，所以只要一台MCU-100的成本支出节省了购买其它三台控制器的成本。最重要的就是系统整合的便利性，还有导播作业的操作方便性