

Live-Link Remote 4K Camera Interface System



Live-Link Remote 4K Camera Interface System (BY-EFP-4KSDI) consists of camera fiber optic adapter (TX) and fiber optic base station (RX) , custom-designed for long-distance transmission of EFP live production system, to transmit 1CH 4K Forwarding SDI, 1xReverse3GSDI video, 1CH reverse analog composite CVBS signal, 1CH TALLY , 2x Bidi unbalanced audio (Intercom), Remote control(1CH full-duplex RS422, 1xBidi RS232, 1CH half-duplex RS485), 1CH 10/100M Ethernet signals to 10KM over 2 xST single mode fiber or 300 meters over Multi mode fiber.

Features:

- 1)easily pass the Pathological test(extremely harsh environments)
- 2)SD, HD, 3G automatic input detection, support 270Mbit / s - 1.48Gbit / s – 3)3Gbit / s rate, support SMPTE-424M 3Gbps HD-SDI, SMPTE-292M HD-SDI, SMPTE-259M SDI serial digital video signals and DVB-ASI signals
- 4)Uncompressed lossless transmission without delay;
- 5)More than 10KM transmission distance up to a maximum 80KM;
- 6)Supports Sony / Panasonic / JVC, etc. Remote control
- 7)Tally / GPI output or charged dry output
- 8)Wide temperature range, low power consumption

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Application:

Television studio, mobile studio

EFP Electronic Field Production, major sporting events and large celebrations broadcast live

ENG camera (outdoor photo camcorders) upgraded to a EFP camera.

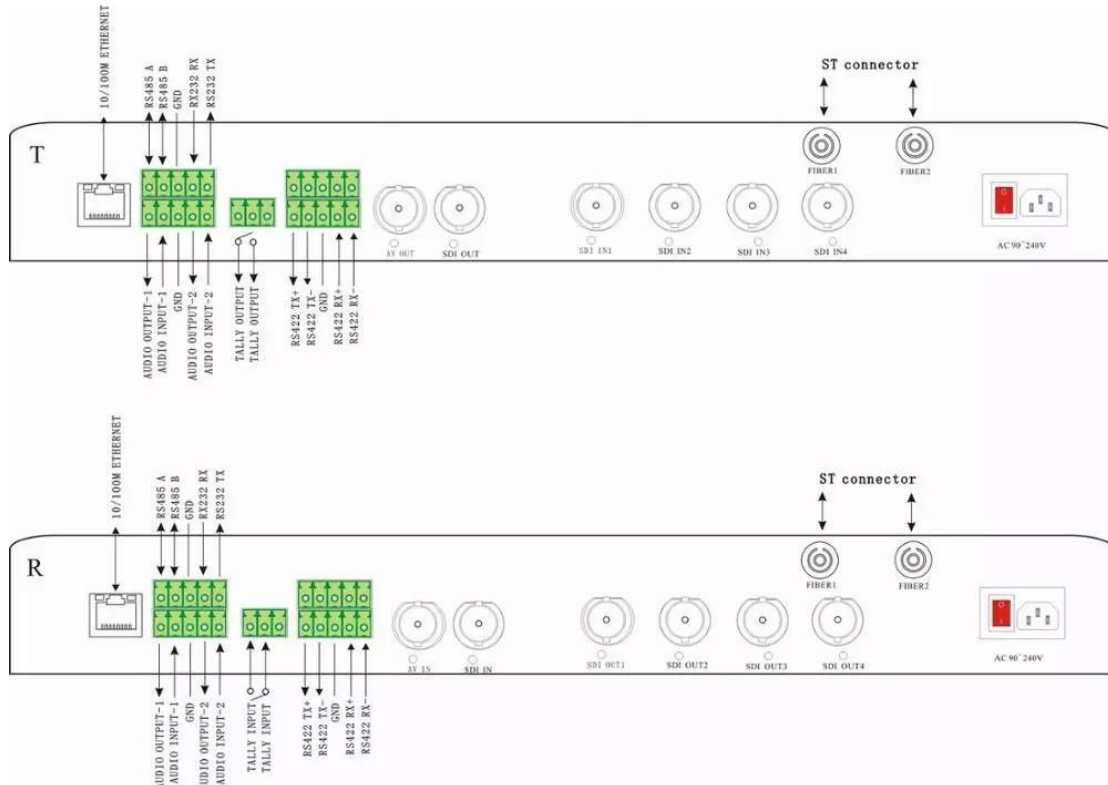
Parameters:

Product Name	Live-Link Remote 4K Camera Interface System (BY-EFP-4KSDI)
Model	BY-EFP-4KSDI
Distance	10 Kilometers (SMF) or 300 Meters (MMF)
Fiber type	62.5/125um MMF, 50/125um MMF, 9/125um SMF
Fiber Connector	Bi-directional 2 x ST connector
Power Supply	AC 85-260V/50Hz
SDI Connector	BNC
SDI Format	1)All inputs and outputs are equalized and re-clocked
	2)Immune to pathological patterns over the entire link budget and operating temperature range
	3)SMPTE 424M-2006, 292, 259 and DVB-ASI compliant
	4)Supports embedded audio and data signals
	5)Support SDSDI & HDSDI & 3GSDI, Support 270M & 1.485G & 2.97G SDI Video
Dimension	TX:19" 1U rack mount RX: 19" 1U rack mount on base end
Working Environment	Working Temperature: 0 °C~+85 °C; Relative Humidity: 0 ~ 95% (no cold condensation)
Description	Compliance: 3G, HD, SD compliance, SMPTE 424M, SMPTE 292M, SMPTE 259M
	1x4K SDI(4x3GSDI),forward direction
	1 x 3G-HDSOI, Reverse direction
	2 x Audio, bi-direction, unbalanced audio,
	1 x RS422 data, full-duplex mode
	1 x RS232 bi-directional
	1 x RS485 bi-directional
	1 x Analogue video
	1 x Tally
	1 x 10/100M Ethernet (RJ 45)
	Dimension: 480 x 250 x 50 (mm) = 19' standard case
	Gross weight is about 10 kg
Packing in box: Transmitter x1, Receiver x 1, Power wire x 2, Use mannual x 1	

Connection:

Live-Link Remote 4K Camera Interface System

Transmitter's Front Panel



Receiver's Front Panel

Ordering Information:

Live-Link Remote 4K Camera Interface System

Ordering Information								
Functions	Camera Fiber Optical Adapter (Tx)			Fiber Base Station (Rx)		Functions Selection	Remark	
Shape	BP Battery size, directly connected at the end of the Camera			1 U rackmount		Yes or No		
Plate Type	Anton A Plate			1 U (19 inch)		Yes or No	If not enough room for functions, The Transmitter(Tx) can has 1U rackmount as well	
	V Plate					Yes or No		
Power Supply	Power by the Battery (AC 12~48V)			AC 90~240V		Yes or No		
	Remote Power supply of hybrid cable					Yes or No		
Fiber Connector	Single or Dual LC/ST/FC/SC Optional					Yes or No		
Opto-electronic hybrid Connector	Lemo					Yes or No		
	Neutrik					Yes or No		
	Other brands					Yes or No		
Forward SDI	3G/HD/SD-SDI					Yes or No	Based on the Camera's type and for the need of the future update	
	SDI output Channels			SDI loopout Channels				Yes or No
	1 Ch	2 Ch	others	1 Ch	2 Ch	Others		
	Yes or No	Yes or No		Yes or No	Yes or No			
SDI connector	BNC					Yes		
Reverse Video	3G/HD/SD-SDI					Yes or No		
	CVBS					Yes or No		
Reverse Video Connector	BNC					Yes		
Intercom	Party Line Audio			Universal Line-level Audio				
Intercom Connector	XLR-4	XLR-5	3.5MM	XLR-3	XLR-5	3.5MM		
	Yes or No	Yes or No	Yes or No	Yes or No	Yes or No	Yes or No		
Tally Input	1 Ch with 1 kind color indicate			2 Ch with 2 kinds color indicate		1 Ch or 2 Ch		
Tally Output	Dry Contact or 12 Voltage Wet Contact					Dry or Wet		
Tally Input Connectors	DB9					Yes or No	If not, please advise others	
Tally Output Connectors	4 Pin Aviation Male or 3 Pin Mini XLR					Select		
Remote Control	RS422 or RS 232					Select	CCU or RCP control	
Remote Control Connector	8 Pin Aviation Male or Sony Remote Connector					Select	decides the Company brands	
GEN-LOCK	1 Ch analog Signal					Yes or No		
GEN-LOCK Connector	BNC					Yes or No		
Ethernet	10/100M					Yes or No	RJ45	
Embedded Audio	Un-balanced or Balanced					Select	the Channels & work Direction	

the Channels & work Direction