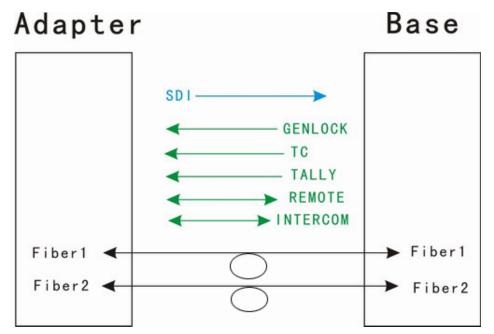


EFP To Fiber with Genlock and Time Code

Description

BY-EFP-410 with Genlock and Time Code includes a Camera Optic Adaptor and a Optic Base Station. The system transports a 3G/HD-SDI signal from the camera to the Base Station, Genlock and TC, Sony or Panasonic Remote control data, , intercom(Camera end can be connected professional 4-pin or 5-pin XLR headset, OB end can be connected Clearcom or RTS , etc intercom main station), tally(One color or two colors can be selected). The system puts all of the signals needed for multi-camera 3G/HD-SDI production on a SM tactical or SMPTE hybrid cable, insuring robust, trouble-free connectivity on any studio or remote production.



Application:

- 1. Television Broadcast(studio):
 - Sports
 - News
 - SNG
 - Trackside
- 2. Links Between in-field and OB van(outside broadcast truck)

Features

- Handle all Pathological patterns
- Automatic cable equalization to ensure signal integrity
- 3G/HD/SD-SDI input auto recognition, support 270Mbit/s 2.97Gbit/s according to SMPTE 424M, SMPTE 292M and SMPTE 259M
- 10+Km on single mode fiber transmission
- Mic inputs with mute and pre-amps
- Sony or Panasonic remote control
- Tally LED+/- output or dry Contact Closure optional
- V-mount or A-mount battery plate optional
- Genlock and TC are also available

Specifications:

General index

Conter an index					
Work Temp	-25°C to 55°C				
Storage Temp	-40°C to 85°C				
humidity	0 ~ 95% (non-condensing)				
Camera Optic Adaptor					
Input power	DC 11~19V				
Power consumption	<10W				
Net weight	1kg				
Appearance size	188mm*116mm*45mm (without V-mount / A-mount)				
Optic Base Station					
Input power	AC90~240V				
Power consumption	<10W				
Net weight	Зkg				
Appearance size	19" 1U standard rack mount				
Optical:					
Wavelength	1310nm / 1550nm / CWDM				
Output Power	-6~-1dBm				
Rx sensitivity	<-18dBm				
Transmission Distance	SMPTE hybrid cable 300+m				
Optical connector	emo SMPTE 304 / Neutrik OpticalCON DUO				
SDI input/output:					
Signal format	SMPTE 424M, SMPTE 292M, SMPTE 259M				
Data rate	270Mbit/s - 1.48Gbit/s - 3Gbit/s				
Cable Equalization	Automatic cable EQ (Belden 1694A cable)				
	250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s				
SDI interface	BNC 75 Ohm				
Genlock / TC					
Number of Channels	1+1				
Input/output impedance	BNC 75Ω (unbalance)				
Input/output voltage	1.0Vp-p				
Differential Gain	< ±1.5%				

www.beyondopto.com/Products/Eproducts_410.html

Differential Phase	< ±1%				
SNR	>60dB				
Intercom:					
Camera Optic Adaptor					
Interface	4pin XLR(Male) /5pin XLR(Female)/ 3.5mm headset jack				
Microphone	Mic inputs with mute and pre-amps				
Headphone	with volume up or down				
Optic Base Station					
Interface	3pin XLR Female/Male: Party line audio for Clearcom and RTS Intercom				
Interface	main station DB9(Male): Line level audio input and output,				
Tally:					
Camera Optic Adaptor					
· · ·					
Interface	4pin air head or 3pin mini XLR				
	Dry Contact Closure or wet LED+/-				
Output	On: short or LED on				
	Off: open or LED off				
Optic Base Station					
Interface	DB9(Male)				
Input	Dry Contact Closure or TTL				
Input	On: short to GND or TTL low Off: open or TTL high				
Remote:					
Camera Optic Adaptor					
Interface	8pin sony's or 10pin Panasonic's remote interface				
Data	RS422 /RS232/RS485				
Optic Base Station					
Interface	DB9(Female) / 8pin sony's or 10pin Panasonic's remote interface				
Data RS422 /RS232/RS485					
*	-				

FRONT

	Fallel	i ulayram(Satellite+ i	Dasej.				
		Left	Up		Right		
	5pin XLR (Female, 1, mic ground 2, mic + 3, RH ear-&LH ea 4, LH ear+ 5, RH ear+	(š b)	EFP TO FIBER CONV	ERTER	TALLY	TALLY OUT: 3pinMini XLR 1. TALLY LED- 2. TALLY LED+ 3. NC Remote (For Sony 8pin) 1. TX+ 2. TX- 3. RX+	
		MIC OF HOLD -VOL+	V type pl	ate	GENLOCK	3, RX- 4, RX- 5, GND 6-8, NC	
		LEBY FIRER OFF CENLOCK LEDS TO OUT SDI IN LEDS FRR	Down		SDI LOOP SDI IN FI F2	Dul LC connector	
ва	CK	SDI OUTI SDI OUT2	TC IN TC LOOP GENLOCK	(0,1) = (0,1)	TALLY Intercom Audio		0
1	Dul LC connet 9 inch 1U rac	ctor ck-mount chass	is	Intercom1(Female) Intercom2(Male) 3pin XLR (Party Line Au 1, GND 2, NC 3, AUDIO	TALLY DB9 (Mai Judio) 1, 2, 5 GND 3, Audio 1N (L 4, Audio 0UT (7, NC 8, TALLY COM (9, TALLY IN	1, 1X+ 2, TX- ine level) 3, RX+ line level) 4, RX- 5, GND	
NT C			POWER ON D		ten ort	EFP TO FIBER CONVERTER	

Panel diagram(Satellite+ Base):