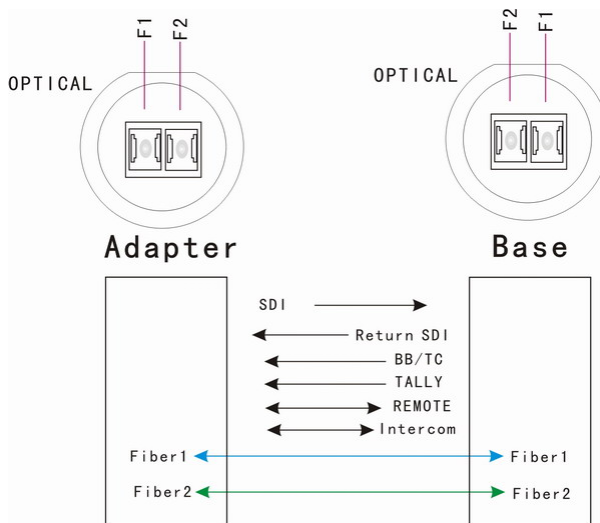




EFP to Fiber for Panasonic AG-HPX370

Description:

BY-EFP-406 includes a Camera Optic Adaptor and a Optic Base Station.. The system transports a 3G/HD-SDI signal from the Panasonic AG-HPX370 or AG-HPX500 series camera to the Base Station, Reverse video(SDI or CVBS), Remote control data(Panasonic's 10 pin interface, Connect Panasonic RCU AJ-RC10G、 ECU AG-EC4G), 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(1 or 2 colors is optional). Genlock signal, blackburst/trilevel sync or Time code is optional. The system puts all of the signals needed for multi-camera 3G/HD-SDI production on a SM / MM tactical or SMPTE hybrid fiber 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 or 300m on multimode fiber transmission
- Mic inputs with mute and pre-amps ,with amplifier for phones
- Remote control for SONY's or Panasonic's camera
- V-mount or A-mount battery plate is optional

Specifications:**General 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	<8W
Net weight	1kg
Appearance size	188mm*116mm*45mm(without V-mount / A-mount)
Optic Base Station	
Input power	AC90~240V
Power consumption	<20W
Net weight	3kg
Appearance size	19" 1U standard rack mount

Optical:

Wavelength	1310nm / 1550nm / CWDM
Output Power	-6~-1dBm
Rx sensitivity	<-18dBm
Transmission Distance	SM fiber 10+km , MM fiber 300m
Optical connector	Dul LC /FC/ST/SC/ Lemo 3K.93C/ 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

Intercom:

Camera Optic Adaptor	
Interface	4pin XLR(Male) /5pin XLR(Female)
Microphone	Mic inputs with mute and pre-amps

Headphone	With amplifier and volume up or down
Optic Base Station	
Interface	3pin XLR Female/Male: Party line audio for Clearcom or RTS Intercom main station DB9(Male): Line level audio input and output

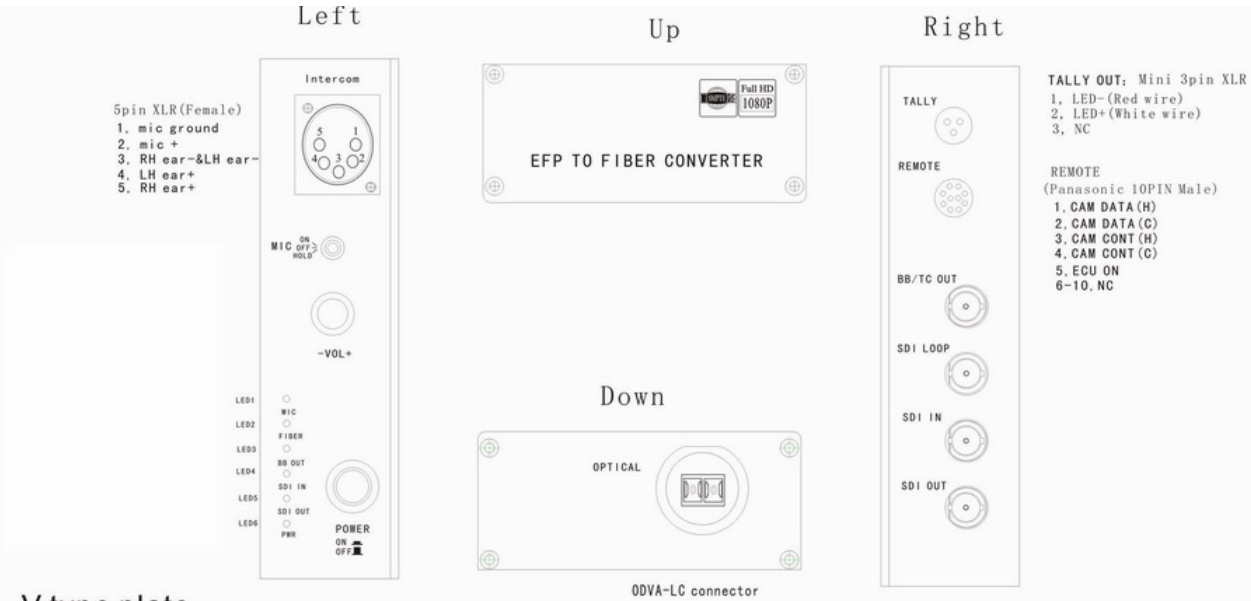
Tally:

Camera Optic Adaptor	
Interface	4pin air head or 3pin mini XLR
Output	Dry Contact Closure or wet LED+/- On: short or LED on Off: open or LED off
Optic Base Station	
Interface	DB9(Male)
Input	Dry Contact Closure or TTL On: short to GND or TTL low Off: open or TTL high

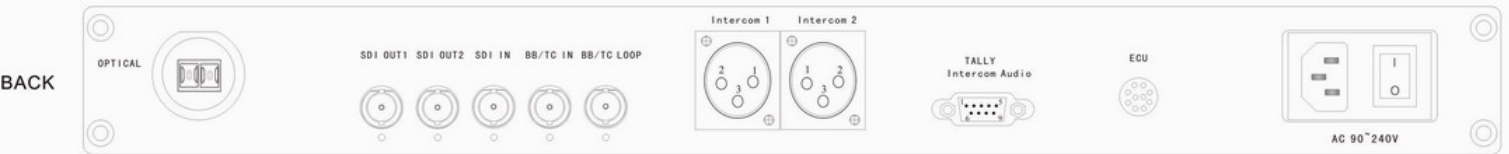
Remote:

Camera Optic Adaptor	
Interface	SONY's 8 pin or Panasonic's 10 pin interface
Data	RS422 /RS232/RS485
Optic Base Station	
Interface	SONY's 8 pin or Panasonic's 10 pin interface
Data	RS422 /RS232/RS485

Panel diagram (satellite+base):



V type plate



ODVA-LC connector

Intercom1(Female)
Intercom2(Male)
3pin XLR (Party Line Audio)
1. GND
2. NC
3. AUDIO

TALLY DB9 (Male)
1. 2, 5 GND
3. Audio IN (Line level)
4. Audio OUT (line level)
7. NC
8. TALLY COM (GND)
9. TALLY IN

ECU(Panasonic 10PIN Female)
1. CAM DATA (H)
2. CAM DATA (C)
3. CAM CONT (H)
4. CAM CONT (C)
5. ECU ON
6-8. NC
9. 12V
10. GND

19 inch 1U rack-mount chassis



EFP TO FIBER CONVERTER