



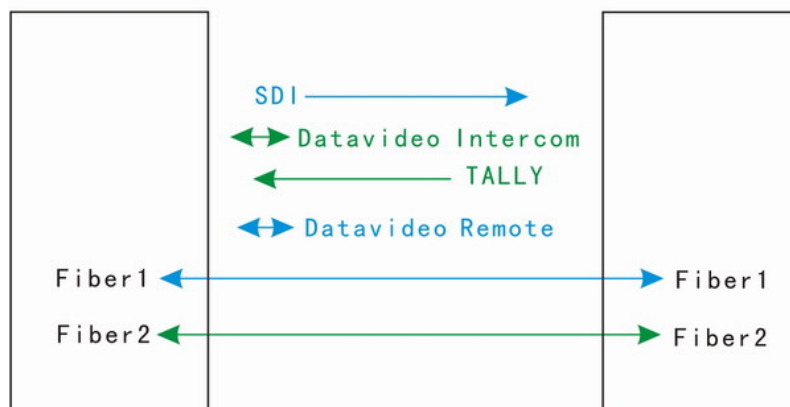
EFP to Fiber for Datavideo Intercom and Remote

**Description:**

**BY-EFP-403** includes a Camera Optic Adaptor and a Optic Base Station. The system transports a 3G/HD-SDI signal from the Sony or Panasonic camera to the Base Station, Reverse video (SDI or CVBS, Datavideo Remote control data(Connect Datavideo MULTI-CAMERA CONTROL UNIT MCU-100 ), Datavideo intercom (Camera end be connected Datavideo HP1 Single-Ear Headset, OB end be connected Datavideo ITC-100 Talkback System), tally(2 colors, Camera end be connected Datavideo ext tally lamp TD3, OB end be connected Datavideo ITC-100 Talkback System),reverse CVBS or Genlock 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.

## Adapter

## Base



**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 with Datavideo MCU-100
- Intercom and Tally with Datavideo ITC-100 Talkback System
- V-mount or A-mount battery plate 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 / Neutrik (optional)

#### 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	3.5mm headset jack, Datavideo Headset
Microphone	Mic inputs with mute and pre-amps
Headphone	With amplifier and volume up or down

Optic Base Station	
Interface	5pin XLR Male, be connected Datavideo Talkback System

**Tally:**

Camera Optic Adaptor	
Interface	3.5mm headset jack, be connected Datavideo ext tally lamp
Output	Green/Red 2 colors
	On: LED on Off: LED off

Optic Base Station	
Interface	5pin XLR Male
Input	be connected Datavideo Talkback System

**Remote:**

Camera Optic Adaptor	
Interface	RJ45 Datavideo remote interface
Data	RS422 /RS232/RS485

Optic Base Station	
Interface	RJ45 Datavideo remote interface
Data	RS422 /RS232/RS485

**Panel diagram (satellite+base):**

