



EFP to Fiber for Datavideo ITC-100 Intercom system

Description

EFP to Fiber for Datavideo ITC-100 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, 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), BB/TC/Genlock can be optional,. The system puts all of the signals needed for multi-camera 3G/HD-SDI production on a SM / MM tactical fiber cable, insuring robust, trouble-free connectivity on any studio or remote production.

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

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	Dual LC /FC/ST

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

Panel diagram:

