

# FlexiOptic Series

Fiber Optical Solution



FlexiOptic is a portable multi-purpose optical transmission device with compact size and reliable performance. It provides four independent 12G-SDI channels, one serial communication channel, one gigabit ethernet, one synchronization and four GPIOs. It is perfectly suitable for the transmission of various signals in live production, and can be adapted to the whole series of INCAM micro cameras and remote control heads.

FlexiOptic can be can be connected by single-mode fiber, or uses optional power supply unit to connect on SMPTE hybrid cable, and supply power to remote device at the same time.

#### **Features**

1RU half-width compact size with AC/DC redundant power supply

Compatible with common single-mode fiber, transmission distance up to 10 km

 Independent video transmission channels with re-clocking and cable equalization, all input/output processing passed Pathological test

 Data transmission supports serial communication, GbE and GPIOs. Serial communication channel supports RS-422 and SONY camera interface

Optional power supply unit can supply 100W power to remote device up to 1 km away

 Optional video expand unit supports third-party optical transmission equipment by Duplex CWDM technology

#### **Model Instructions**

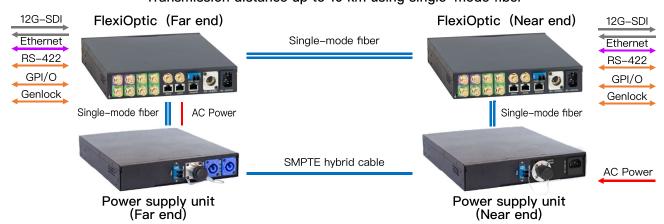
1 Model Type: FlexiOptic series

② Compatible video format: 3G or 12G

3 Number of input channel: 0 to 4
4 Number of output channel: 4 to 0
The total number of input and output is not more than 4

### **System Configuration**

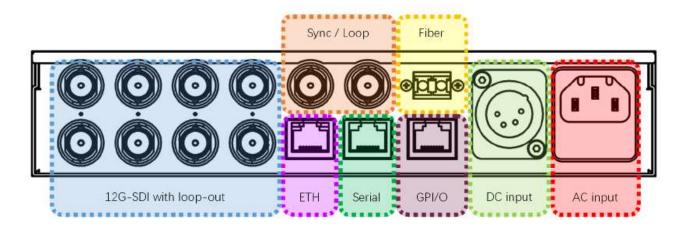
Transmission distance up to 10 km using single-mode fiber



Power supply to remote device up to 1 km using SMTPE cable



#### Rear Panel



## **Related Products**



## **Technical Specifications**

Dimension	Weight	Power	Operating Temperature	Operating Humidity
218mm×45mm×273mm	Approx. 2.2kg	AC 100-240V, DC 9-16.8V, 30W	–10°C to +40°C	20% to 80%

Ethernet	GPIO	Optical
RJ45(x1) ,1000BASE-TX	RJ45 (×1), 2 input 2 output	LC (x2)

Serial communication	Synchronization	Transmission distance
RJ45 (x1), support SONY protocol	BNC (x1), Black burst, PAL/NTSC	Optional 40 km or 80 km

Video Format	Connectors	Signal Format	Impedance	Cable Equalization
12G-SDI	BNC (x8) Max. 4 channel	SMPTE ST 2082-1/2081-1	75Ω/>4dB	50m, Belden 4794R
3G-SDI	with loop out and reclocking	SMPTE 424M/292M/259M	75Ω/>10dB	100m, Belden 1694A

Video Format	Signal Amplitude	DC offset	Rising/Falling Time	Jitter Timing/Align
12G-SDI	- 800mV	0V±5mV	38ps/37ps	0.58UI/0.10UI
3G-SDI			56ps/ 52ps	0.12UI/0.05UI