

# Data Sheet

## **HD&P** 3G SDI bi-directional fiber optic converter

MFOS-3G

### FEATURES

- 2channel bi-directional 3G-SDI transmission
- Supports SDI video up to 3Gbit/s(1080p60)
- Error Free SDI pathological pattern operation
- More than 20km transmission distance(single mode fiber)
- Operation status indication LED
- LC optical connector
- Latch locking power connector
- Package with mounting flanges for rack mountable



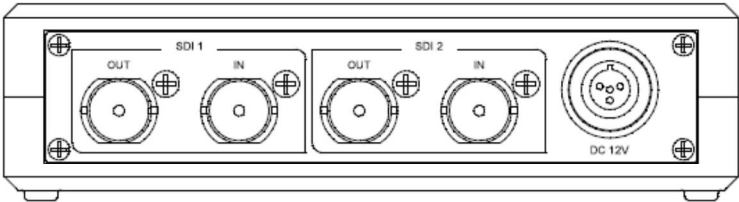
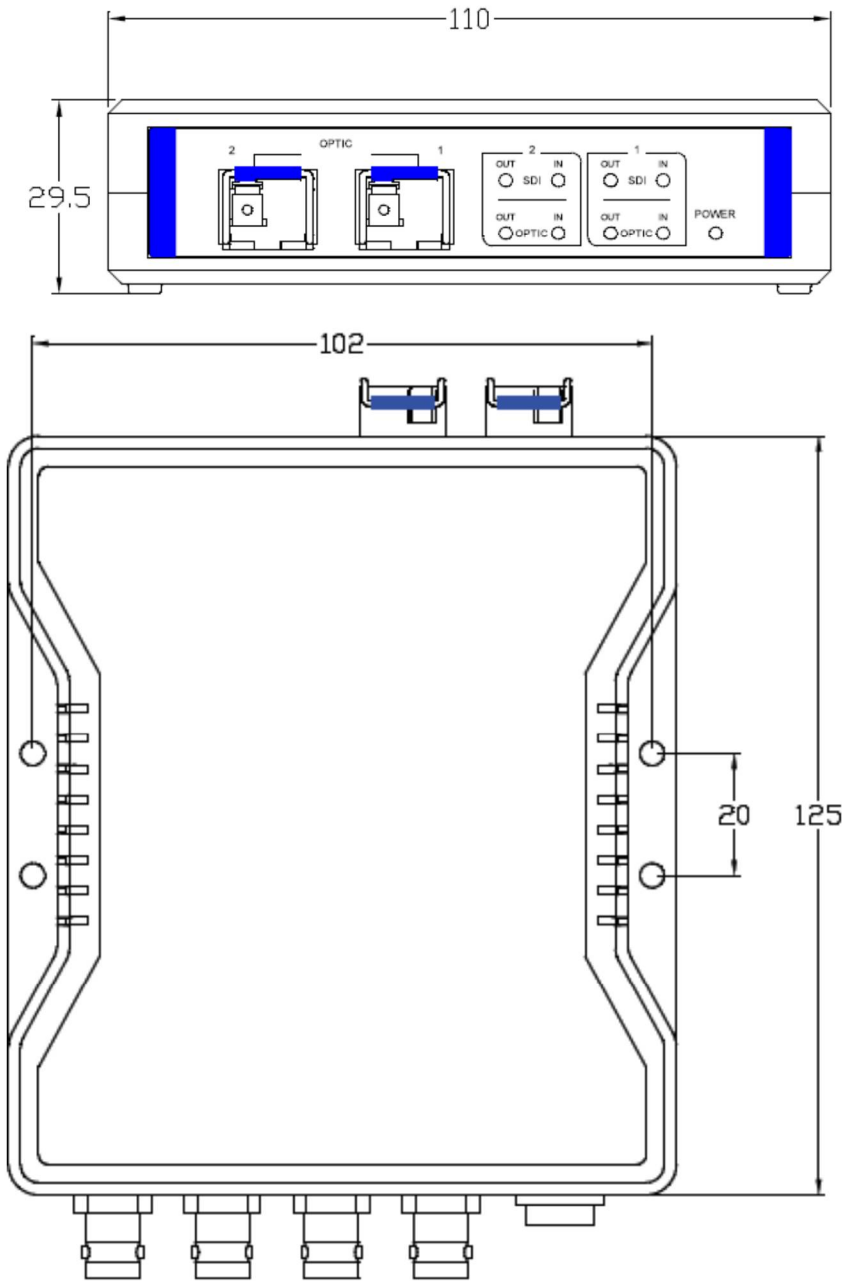
### APPLICATIONS

- HD or 3G SDI Video transmission
- Studio Broadcasting, Outdoor Broadcasting and Concert Broadcasting system

### SPECIFICATION

Parameter		Specification
Video	Signal format	SMPTE-424M, SMPTE-292M, SMPTE-259M
	Signal Level	800 mV Vp-p ± 50 mV
	Data rate	Up to 2.97Gbps
	Electrical Connector	2 x SDI input : BNC(75ohm), female 2 x SDI output : BNC(75ohm), female
Optical	Wavelength	1310nm/1550nm BiDi SFP
	Distance (Typ.)	20km
	Fiber Type	Single mode
	Optical Connector	2 x SFP : 2 x LC/PC Connector
General	Power Supply	DC 12V, 1A (supports 7 ~ 16VDC input range)
	Electrical Connector	Mini XLR 4pin, male
	Operating Temperature	-20 to +75°C
	Storage Temperature	-40 to +85°C
	Humidity	0 to 95% RH, non-condensing
	Dimensions (W x D x H)	125 x 110 x 29.5 (mm)

DIMENSIONS (mm)



\* Power Connector PIN Layouts



PIN No.	Description
1	GND
2	NC
3	VCC
4	NC

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