

# 12G-SDI to Fiber Optic Converter (1 Channel Bi-Directional 12G-SDI)

**HD&P**  
Ultimate Vision over Optical Fiber

## MFOS-4K



## Instruction Manual

VERSION 19, APR-01



## 1. Product Overview

**MFOS-4K** makes it possible to convert 12G-SDI to digital signals over fiber. The model is compatible with all the existing broadcasting equipments. HD&P video converter is part of a MFOS family, where audio, data, and Ethernet converters can be mounted together in 19" 3RU rack and used in theme park, stadiums, live event stage and etc.

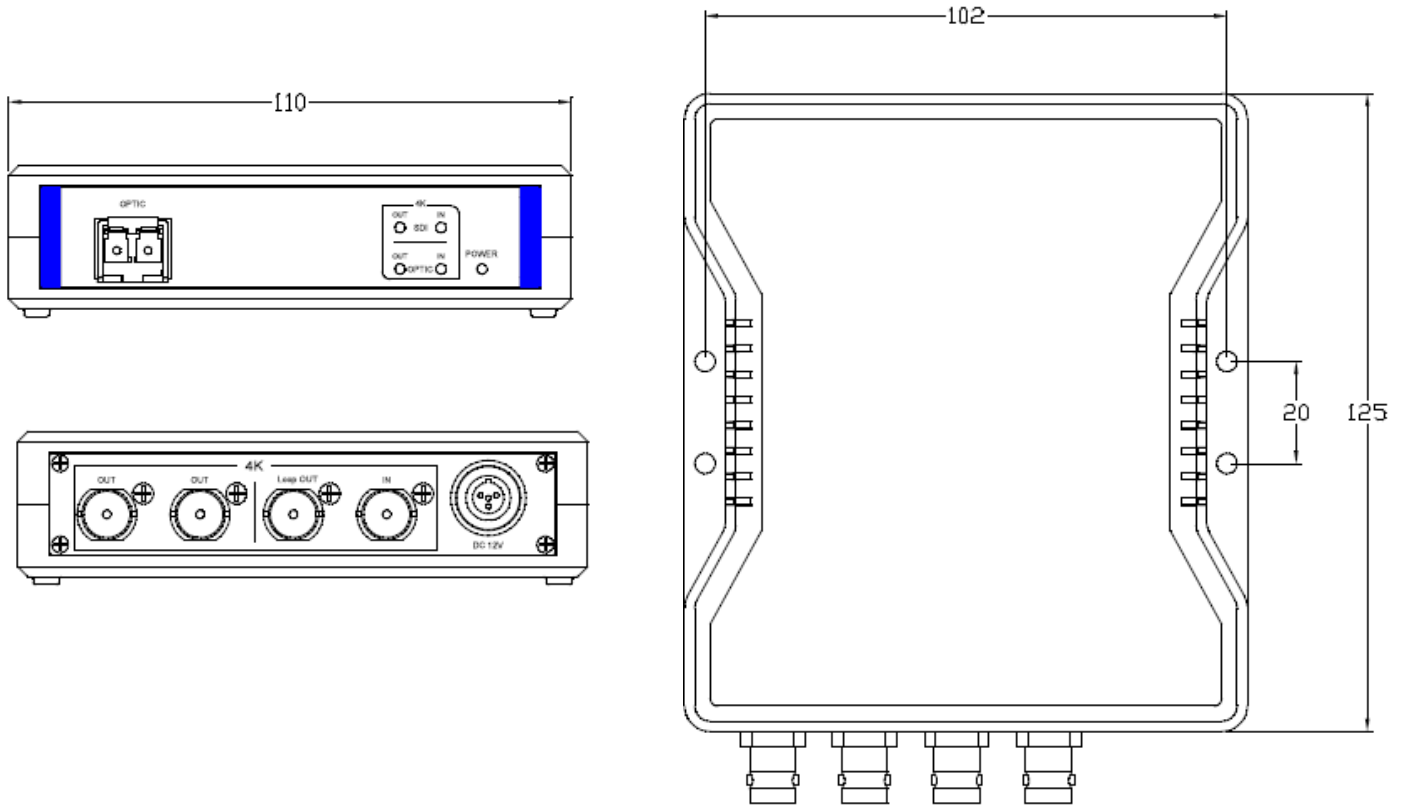
## 2. Product Contents

- MFOS-4K 1EA
- SFP Module 1EA
- 12V Adaptor 1EA
- Manual

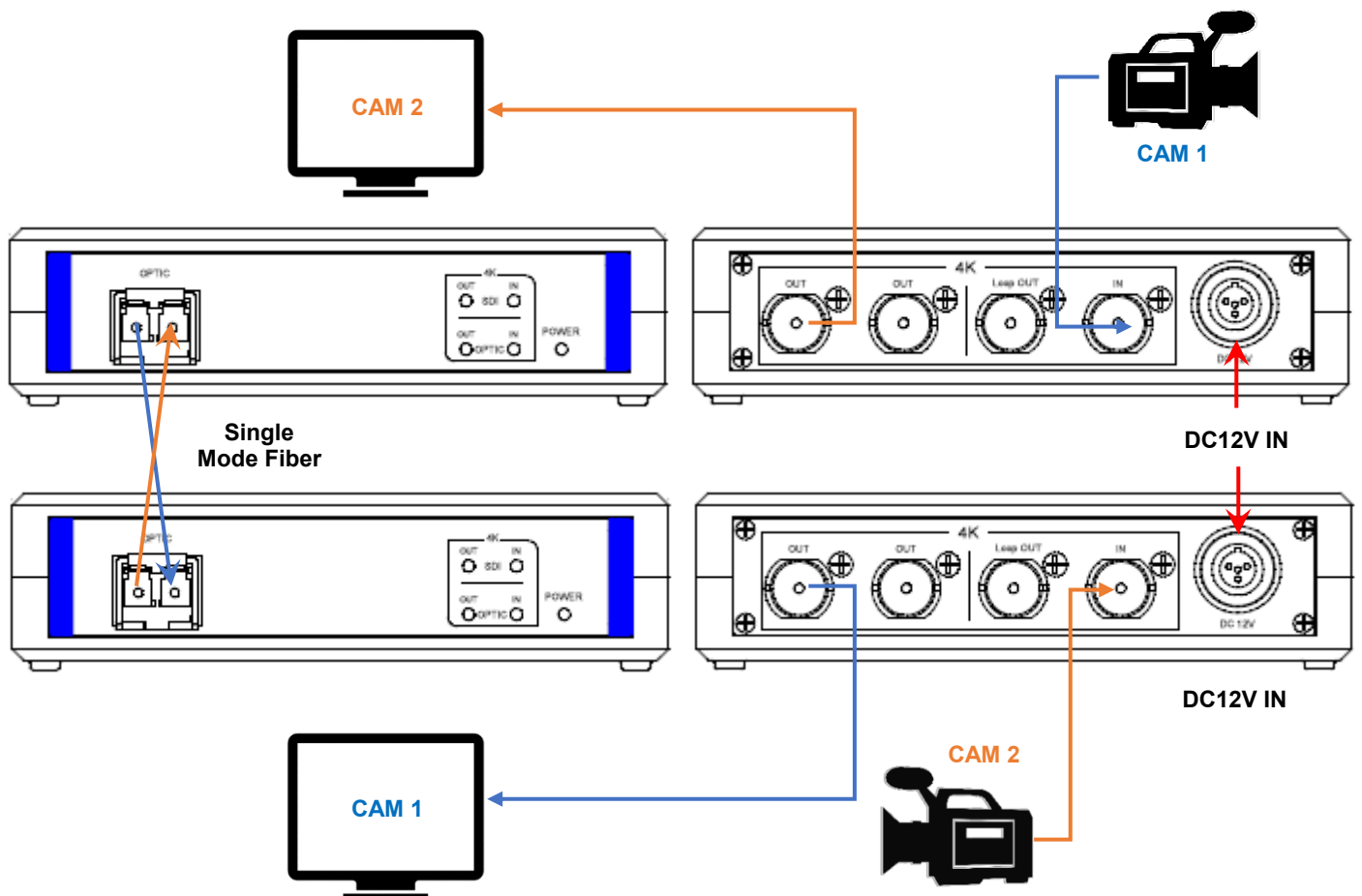
## 3. Product Specification

Parameter		Specification
Video	Signal format	SMPTE ST 2081-1, SMPTE ST 2082-1
	Signal Level	800 mV Vp-p $\pm$ 50 mV
	Data rate	Up to 12Gbps
	Jitter	< 8.0 UI - Timing Jitter < 0.3 UI - Alignment Jitter
	Electrical Connector	1 x SDI input : BNC(75ohm), female 1 x SDI loop out : BNC(75ohm), female 2 x SDI output : BNC(75ohm), female
Optical	Wavelength	1310nm
	Distance (Typ.)	10km
	Fiber Type	Single mode
	Optical Connector	1 x SFP : 2 x LC/PC Connector
General	Power Supply	DC 12V, 1A (supports 7 ~ 16VDC input rage)
	Electrical Connector	Mini XLR 4pin, male
	Operating Temperature	0 to +50°C
	Storage Temperature	-20 to +70°C
	Humidity	0 to 95% RH, non-condensing
	Dimensions (W x D x H)	125 x 110 x 29.5 (mm)

## 4. Dimension



## 5. Connectivity



# 12G-SDI to Fiber Optic Converter (1 Channel Bi-Directional 12G-SDI)

**HD&P**  
Ultimate Vision over Optical Fiber

## MFOS-4K



## Warranty

This certificate extends the warranty of \_\_\_\_\_ for a period of 1 year from the date of purchase.

This warranty covers the repair or replacement of the broken unit of our discretion.

This certificate is void if altered or unauthorized modification is applied.

Model No.	MFOS-4K
Serial No.	
Warranty	1 year
Date of Purchase	

### Customer Service

Company: Gajeonbuk-ro 26-103, Yuseong-gu, Daejeon 34113, South Korea

Email : support@hdpinc.com

TEL: +82-42-360-0170 / Fax: +82-42-360-0177