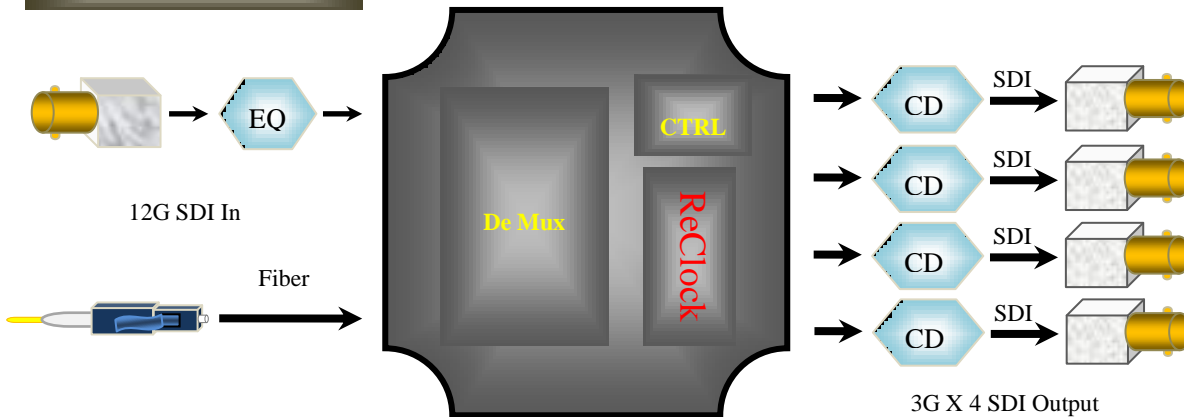


PD2091D(4K SDI DeMux)

Ver:1.0RC01



Functional Diagram



Product Introduction

DeviceWell 4K SDI demux, 4K signal demux device is based on broadcast-grade single-link 12G SDI and 4-link SDI signals. The device supports up to single-link 12G SDI signal demultiplexing into a 4-link 3G SDI signal, and the compatible single-link 6G SDI signal is demultiplexed into a 4-link 1.5GSDI signal. The device has built-in SDI signal equalization, demultiplexer, serial clock recovery and line driver, and supports 1 channel 12G SDI signal or 1 channel optical signal input, 4 X 3G SDI signal output. The 12G SDI input exceeds the transmission distance of 75M. The optical signal adopts the standard SFP optical module. The standard transmission distance is 20KM. The corresponding modules of different distances can be arbitrarily changed according to different application scenarios. The device's SDI input signal frequency is automatically adapted to multiplex a single-link 12G SDI signal into a 4-link 4K signal. It can be applied to professional SDI video signals such as UHDTV/FHDTV/HDTV/SDTV, especially for the field of link multiplexing of broadcast-grade ultra-high definition digital signals.

Product Features

- ◆ 1 channel single link 6G/12G SDI signal input
- ◆ 1-CH 6G/12G optical signal input (universal LC interface)
- ◆ 4 link 1.5G/3G SDI signal output
- ◆ Supports up to 12G SDI, backward compatible
- ◆ Input / output resolution adaptive
- ◆ Built-in clock recovery function
- ◆ Optional SFP optical signal module
- ◇ Special features can be customized

Interface Description



1. Control
2. Single link fiber signal input
3. DIP switch
4. Power indicator
5. DC12V power input
6. 4-link SDI signal output
7. Single-link SDI signal input

Product Parameters

Name	SDI HD Link DeMux	
Model	PD2091D	
SDI Signal Input	Input signal	6G/12G signal
	Rate	270MHZ~12GHZ
	Connector	BNC comply IEC169-8 standard
	Impedance	75Ω
SDI Video Output	Output signal	1.5G/3G SDI signal
	Rate	270MHZ~3GHZ
	Signal amplitude	800mV±10%
	Connector	BNC comply IEC169-8 standard
Fiber Signal Input	Impedance	75Ω
	Input signal	Fiber signal
	Rate	100MHZ~12GHZ
	Connector	Standard LC
	Impedance	100Ω
Common Parameters	Input signal	Fiber signal
	Power	DC 12V
	Size	105.3*105.2*29mm
	Control panel	NO
	Working temperature	0℃~50℃ no condensation
	Storage temperature	-20℃~75℃
	Work humidity	20%~70%RH
Storage humidity	0%~90%RH, no condensation	

Parameter Setting

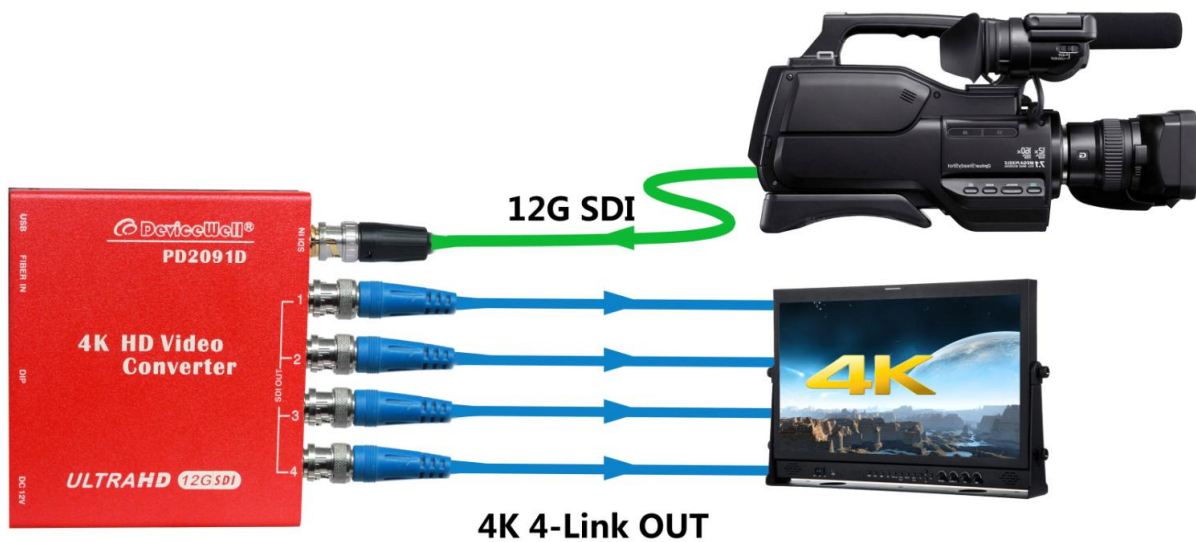


DIP		Function Setting
1	1	Select SDI input
	0	Select Fiber input
2	1	Reserved
	0	

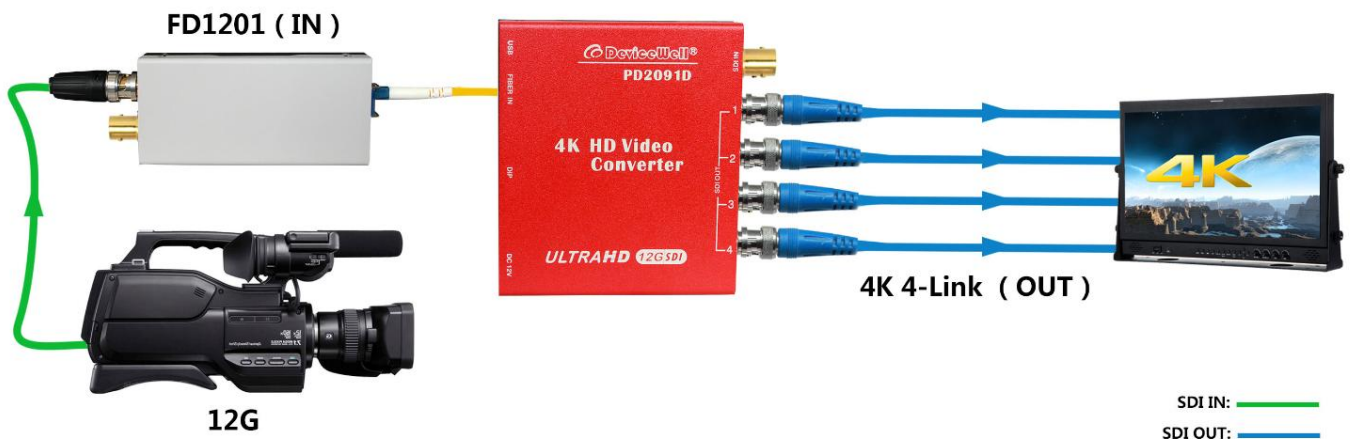
Order Model

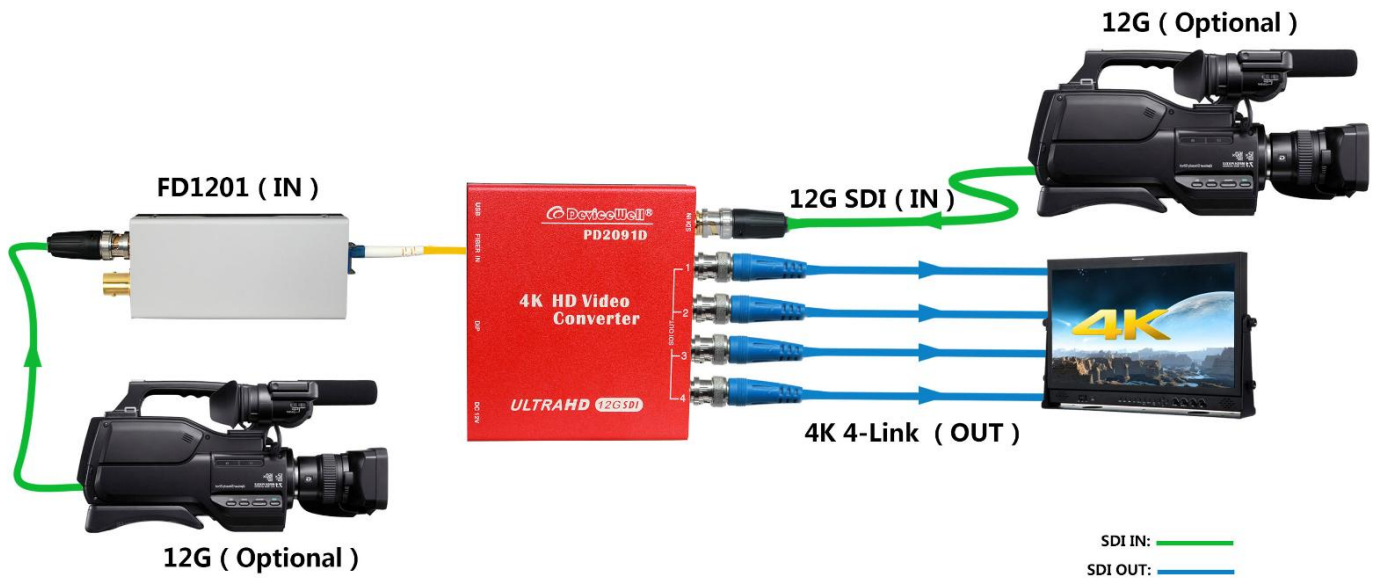
Model	Function	Chassis Type	Power Type	Others
PD2091D	Single link 12G SDI to 4 link SDI	2019 Type	DC 12V	
PD2091M	4 link SDI to single link 12G SDI	2019 Type	DC 12V	
FD1021TX	12G SDI to Fiber signal	2019 Type	DC 5V	
FD1021RX	Fiber signal to 12G SDI	2019 Type	DC 5V	
PD2017	12G SDI to Fiber signal	2019 Type	DC 5V	
PD2071	Fiber signal to 12G SDI	2019 Type	DC 5V	
PG9201	12G SDI signal generator	Half 1U	AC-220V	SDI up to 12G
PG9202	12G SDI signal generator	2019 Type	AC-DC 12V	SDI up to 12G
PG9203	12G SDI signal generator	1U	AC-220V	SDI up to 12G
PD2011T	12G SDI signal distribution (1 to 3)	2018 Type	AC-DC 12V	Backward compatible 6G/3G/1.5G/270M
PD2011V	12G SDI signal distribution (1 to 5)	2018 Type	AC-DC 12V	

Application



SDI IN: 
SDI OUT: 





Size

PD2091D
DEMUX

