

LM-PSD14 Broadcast 1x4 3G/HD/SD SDI Splitter



Model No.: LM-PSD14

Introduction

LM-PSD14 Broadcast 1x4 3G/HD/SD SDI splitter Upscale PAL/NTSC/720P to 1080I/1080P is a dedicated 3G/HD/SD SDI signal splitter, integrates FRCS (Frames Rate Conversion System), SDI Receivers and SDI Encoder, can convert the 3G/HD/SD SDI signals to different resolutions of 3G/HD/SD SDI video signals.

At the same time, LM-PSD14 3G/SD/HD SDI Splitter support de-embedded audio from 3G/HD/SD-SDI signal, and embedded to SDI outputs.LM-PSD14 Support Unique clock regeneration clock to dithering in time function to keep stable quality of the output signal,as well as conforms to broadcasting standard. LM-PSD14 integrated up/down-conversion function,adaptive SDI signal input and selectable 1080p/1080i/720p output etc. Down-conversion can select Left/Right Cut or Top/Bottom with Black. It also can support full screen output.

Features

1. Based on LINK-MI third-generation technology
2. Supports 3G/HD/SD SDI Signal Input
3. Supports 3G/HD/SD SDI Signal Output
4. Supports 1080p/1080i/720p/480i/576i Video format
5. Supports 1080PSF/ 720P 30/25/24Hz
6. Adaptively SDI Input signal
7. SDI input embedded audio de-embedding
8. SDI Output audio em-bedder
9. Three modes are free to choose
10. Supports Up-Conversion and Down-Conversion function
11. With three mode can be selected freely on Down-Conversion function
12. Clock Recovery
13. Special features can be customized

Specification

Name	Broadcast 1x4 3G/HD/SD SDI Splitter	
Model No.	LM-PSD14	
SDI Input	Signal	3G/HD/SD SDI
	Connector	BNC (IEC169-8 Standard)
	SMPTE	270Mbps-2.97Gbps
	Ability of Equalization	100M(3G SDI,1694A)
	Impedance	75Ω
SDI Output	Output Signal	HD SDI serial digital video signal
	Connector	BNC (IEC169-8 Standard)
	SMPTE	270Mbps~2.97Gbps
	Signal Amplitude	800mv ±10% (75 Ω)
	Impedance	75Ω
General Parameters	Power Supply	DC 5-12V
	Power	<2W
	Dimension(L*W*H)	141*102*30 mm
	Control	DIP Switch
	Net Weight	0.3kg
	Operating Temperature Range	0-50℃
	Storage Temperature Range	-20 to 75℃
	Operating Humidity Range	20-70%RH
Storage Humidity Range	0-90%RH	

Panel Description



- ① DC 5V-12V
- ② SDI input port
- ③ LED Instruction (P: Power L:SD M: HD H: 3G)
- ④ DIP switch



- ⑤ SDI output ports

DIP Switch Setting



Coding	Output Format
0	1080I @50HZ
1	1080P @60HZ
2	1080P @50HZ
3	1080I @60HZ
4	1080P @30HZ
5	1080P @25HZ
6	1080P @24HZ
7	720P @60HZ
8	720P @50HZ
9	720P @30HZ
A	720P @25HZ
B	576I @50HZ Full screen
C	576I@@50HZ L/R trimming
D	576I@50HZ T/B black bars
E	480i@60HZ Full screen
F	480i@60HZ Top and bottom black bars

Note:

L/R Left/Right

T/B Top/Bottom

FRC Frame Rate Converter

Connection Diagram



Packing Contents:

1. Main Unit. Broadcast 1x4 3G/HD/SD SDI splitter
2. DC 5V Power Supply
3. 1pcs Manual