# 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/SE	

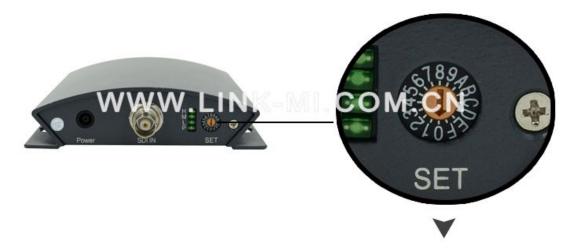
Model No.	LM-PSD14	LM-PSD14	
SDI Input	Signal	3G/HD/SD SDI	
	Connector	BNC ( IEC169-8	
		Standard )	
	SMPTE	270Mbps-2.97Gbps	
	Ability of Equalization	100M(3G SDI,1694A)	
	Impedance	75Ω	
SDI Output	Output Signal	HD SDI serial digital	
		video signal	
	Connector	BNC ( IEC169-8	
		Standard )	
	SMPTE	270Mbps~2.97Gbps	
	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	0-50℃	
	Range		
	Storage Temperature	-20 to 75°C	
	Range		
	Operating Humidity Range	20-70%RH	
	Storage Humidity Range	0-90%RH	

#### **Panel Description**



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
А	720P @25HZ
В	576I @50HZ Full screen
С	576I@@50HZ L/R trimming
D	576I@50HZ T/B black bars
Е	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