

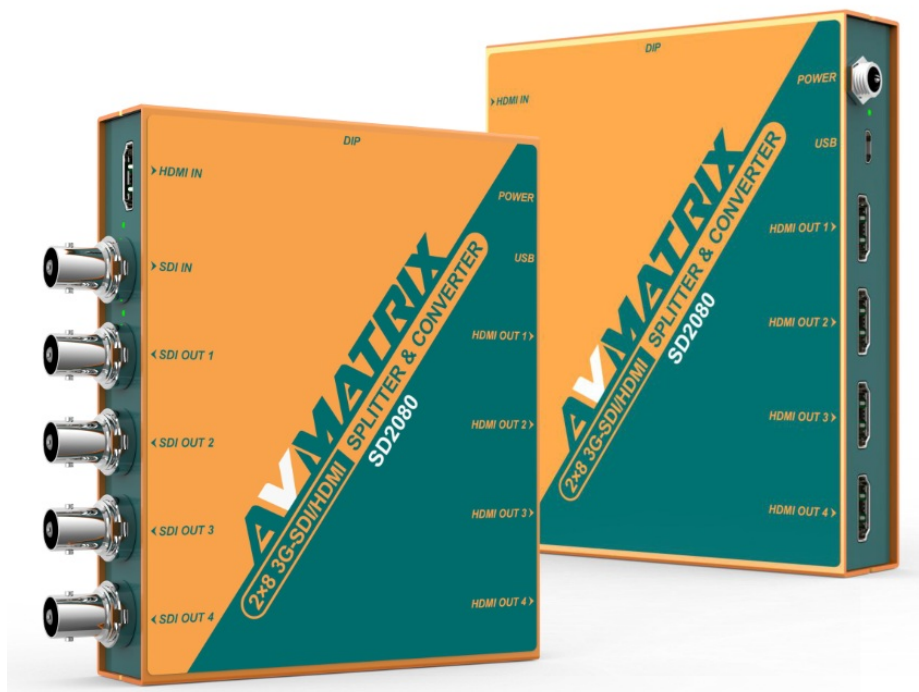


AVMATRIX SD2080 Elaborate Metal Design Splitter and Converter User Manual

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SD2080 Elaborate Metal Design Splitter and Converter User Manual



**2×8 SDI/ HDMI
SPLITTER & CONVERTER**

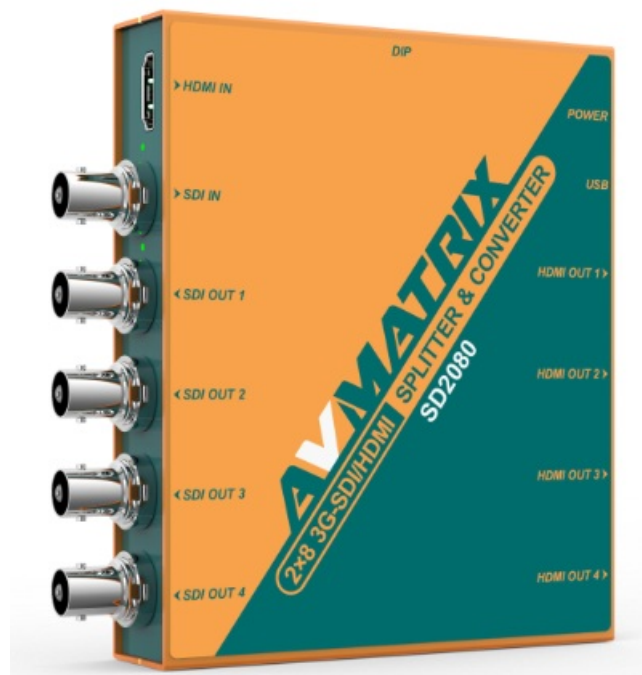
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Brief Introduction

1.1 Overview

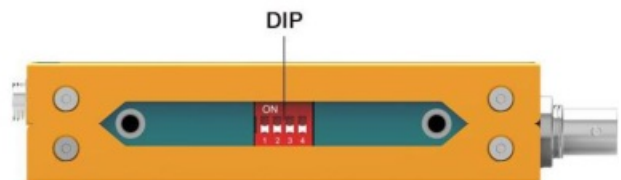
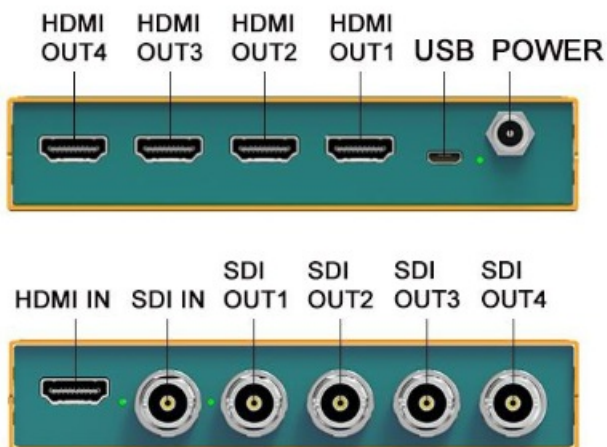
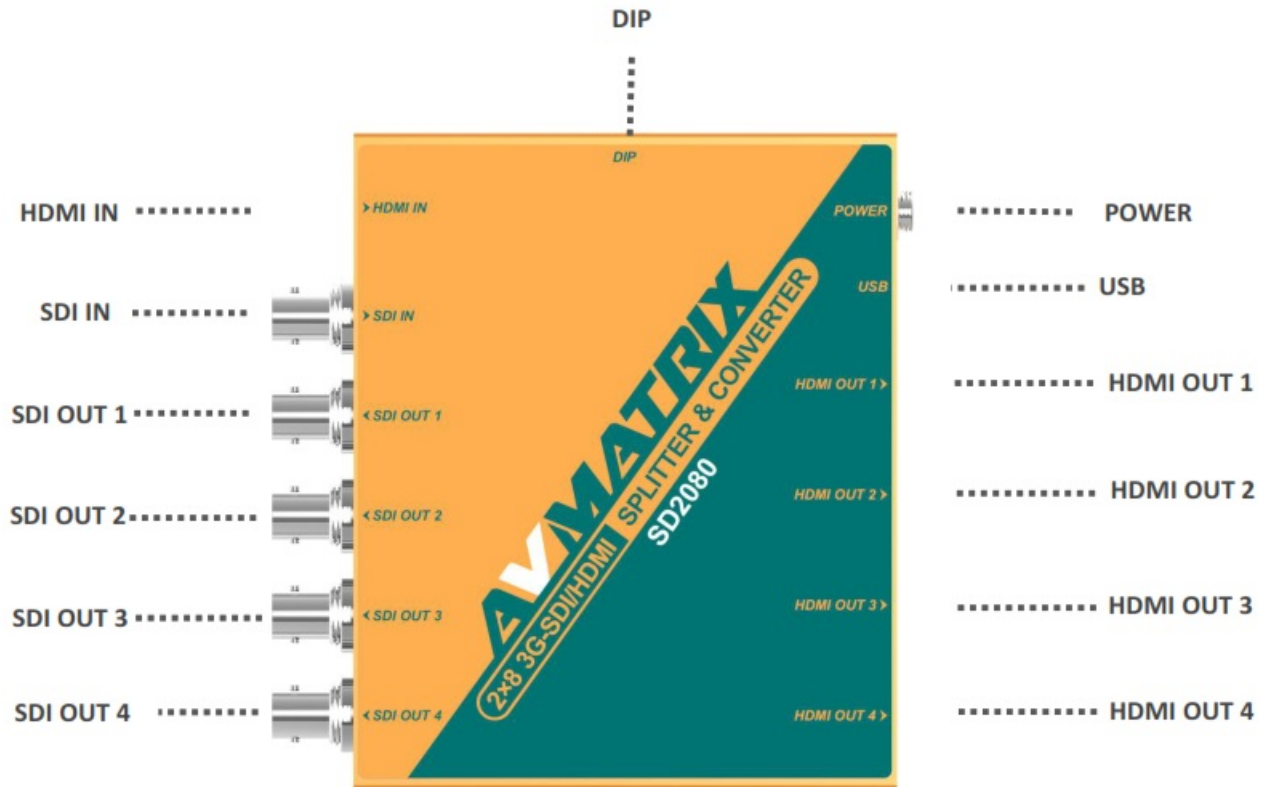
SD2080 is an elaborate metal design 8-Ch SDI/HDMI splitter and converter for broadcasting and Pro AV applications. It supports SDI or HDMI input, the signal will be converted and split to 4-CH SDI and 4-CH HDMI outputs simultaneously. Both inputs and outputs support up to 1080P60. Professional chips are adopted to ensure video processing and transmission quality. It's your ideal choice in many scenarios where multiple signals are needed.



1.2 Main Features

- Auto-detected input: 1×HDMI/1×3G-SDI
- Pass through output: 4×3G-SDI, 4×HDMI
- Distribute and convert between SDI & HDMI
- SDI with equalization and re-clock
- Input and output support up to 1080p60
- Switching input signal easily via DIP switches
- USB and threaded locking DC power supply
- Detachable bracket design for wall mounting

Interfaces

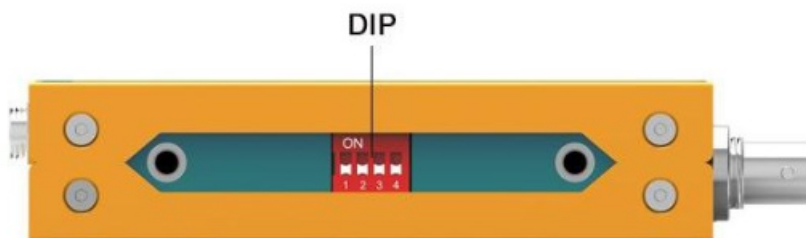


Specification

INPUTS	HDMI Video Input	HDMI Type A x1
	SDI Video Input	SD/HD/3G-SDI x1
OUTPUTS	HDMI Video Output	HDMI Type A x4
	SDI Video Output	SD/HD/3G-SDI x4
FORMAT	SDI Input Format Support	1080p 60/59.94/50 1080p 30/29.97/25/24/23.98
		1080psf 30/29.97/25/24/23.98
		1080i 60/59.94/50
		720p 60/59.94/50/30/29.97/25
		625i 50, 525i 59.94
	SDI Video Rate	SD/HD/3G-SDI
	SDI Compliance	SMPTE 292M, SMPTE 259M, SMPTE 424M
	SDI Color Space and Precision	YUV 4:2:2
	SDI Output Format Support	1080p 60/59.94/50
		1080p 30/29.97/25/24/23.98/23.976
		1080i 60/59.94/50
		720p 60/59.94/50
		625i 50
		525i 59.94
	HDMI Input Format Support	1080p 60/59.94/50
		1080p 30/29.97/25/24/23.98
		1080i 60/59.94/50
		720p 60/59.94/50/30/29.97/25
		576i 50, 480i 59.94
	HDMI Color Space and Precision	RGB 4:4:4, YUV 4:2:2, YUV 4:4:4

	1-IDMI Output Format Support	1080p 60/59.94/50 1080p 30/29.97/25/24/23.98 1080i 60/59.94/50 720p 60/59.94/50/30/29.97/25 576i 50, 480i 59.94
SIZE	Dimension (LWD)	125.5x104x24.5mm
	Weight	485g
POWER(USB)	Power Connector	DC 12V
	Current	550mA
	Voltage Range	6-28V
	Power Consumption	6.6W
ENVIRONMENT	Operating Temperature	-20t- 60'C
	Storage Temperature	-30t- 70'C
	Relative Humidity	0%-90% non-condensing
Accessories	Accessories	1 x power supply (12V 2A) , 2 x Bracket

DIP Function



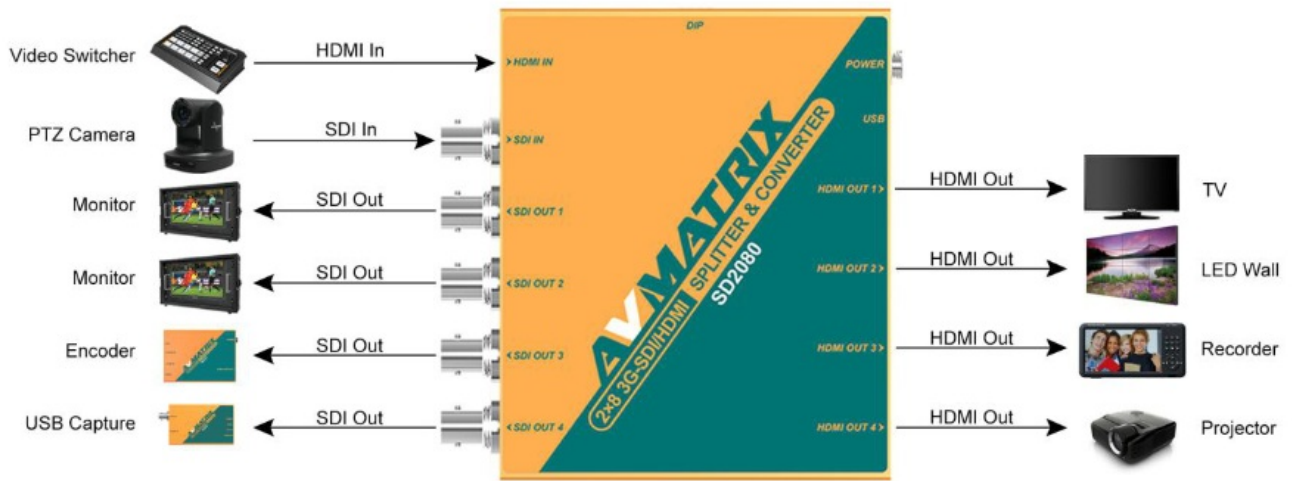
1. DIP SW 1

This switch is used to switch input between SDI and HDMI

When SW1 is set as “ON” mode, it switches the input to SDI, when SW1 is set to “OFF”, it switches the input to HDMI.

2. DIP SW 2-SW4 are reserved, without any function.

Connection Diagram



Bracket Mounting



Documents / Resources



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SD2080, Elaborate Metal Design Splitter and Converter, Splitter and Converter, Elaborate Meta
I Splitter, Splitter, Converter