

AVMATRIX[®]

www.avmatrix.net



Model NO: **SD1141**

1x4 3G-SDI DISTRIBUTION AMPLIFIER

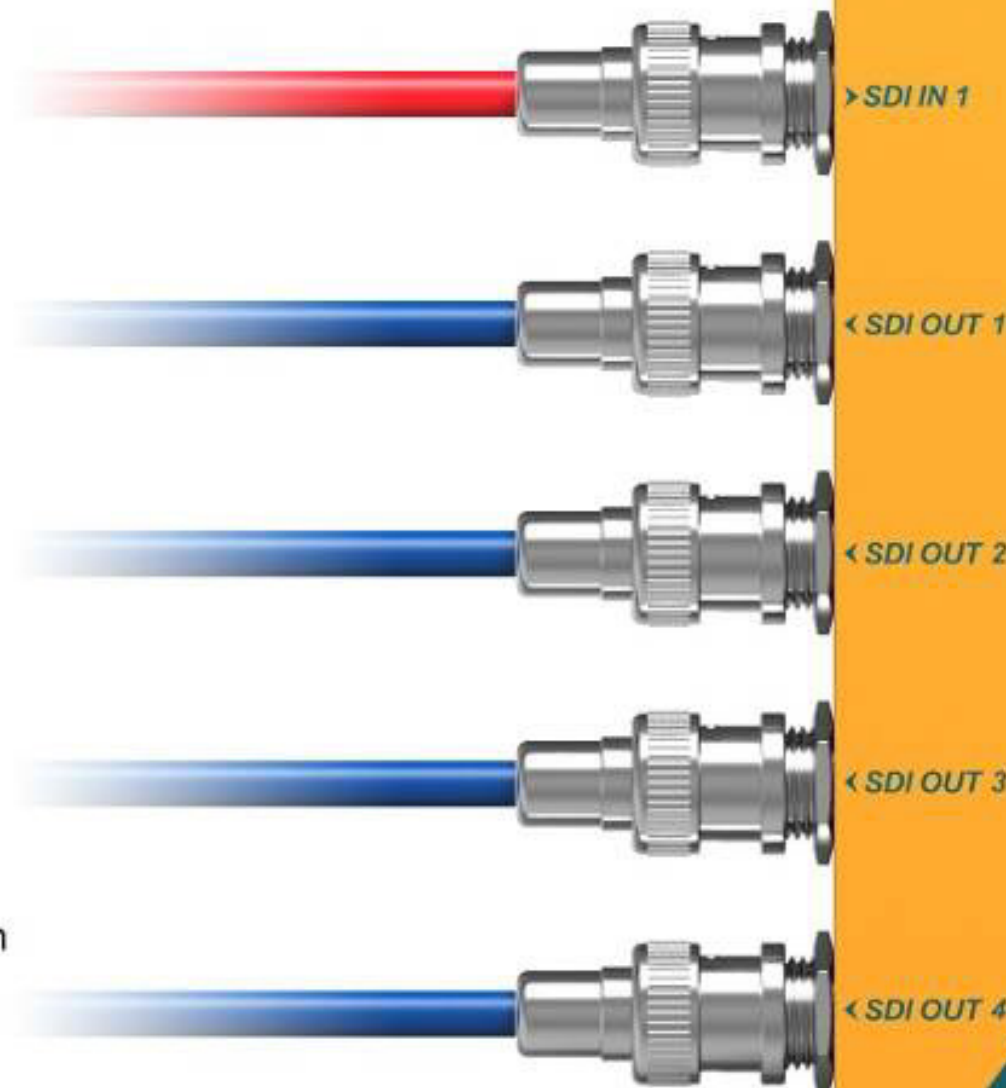
- ▶ 3G/HD/SD-SDI multi-rate signal processing
- ▶ 4 buffered and re-clocked outputs
- ▶ Output 2 & 4 support DVB-ASI signal
- ▶ Automatic cable equalization and signal retiming
- ▶ All ancillary data is passed to the outputs
- ▶ LED indicators for power and signal lock
- ▶ Threaded locking power connector
- ▶ Detachable bracket design for wall mounting

1×3G-SDI **INPUT** →

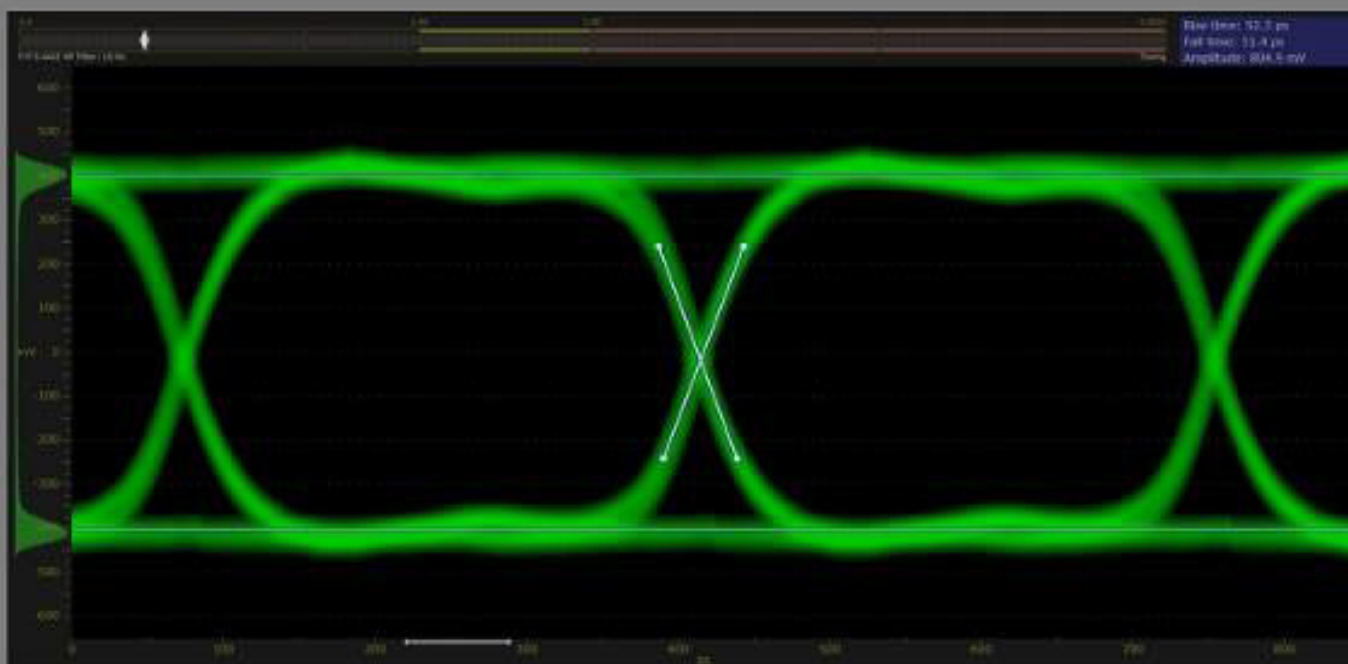
4×3G-SDI ← **OUTPUT**

1×4 Distribution

SD1141 is a compact, one input, four output distribution amplifier for SDI and multi-rate SDI video signals up to 1080P 60hz(2.97 Gbps). Output 2 & output 4 support DVB-ASI signal.



AVMATRIX
1×4 3G-SDI DISTRIBUTION AMPLIFIER
SD1141



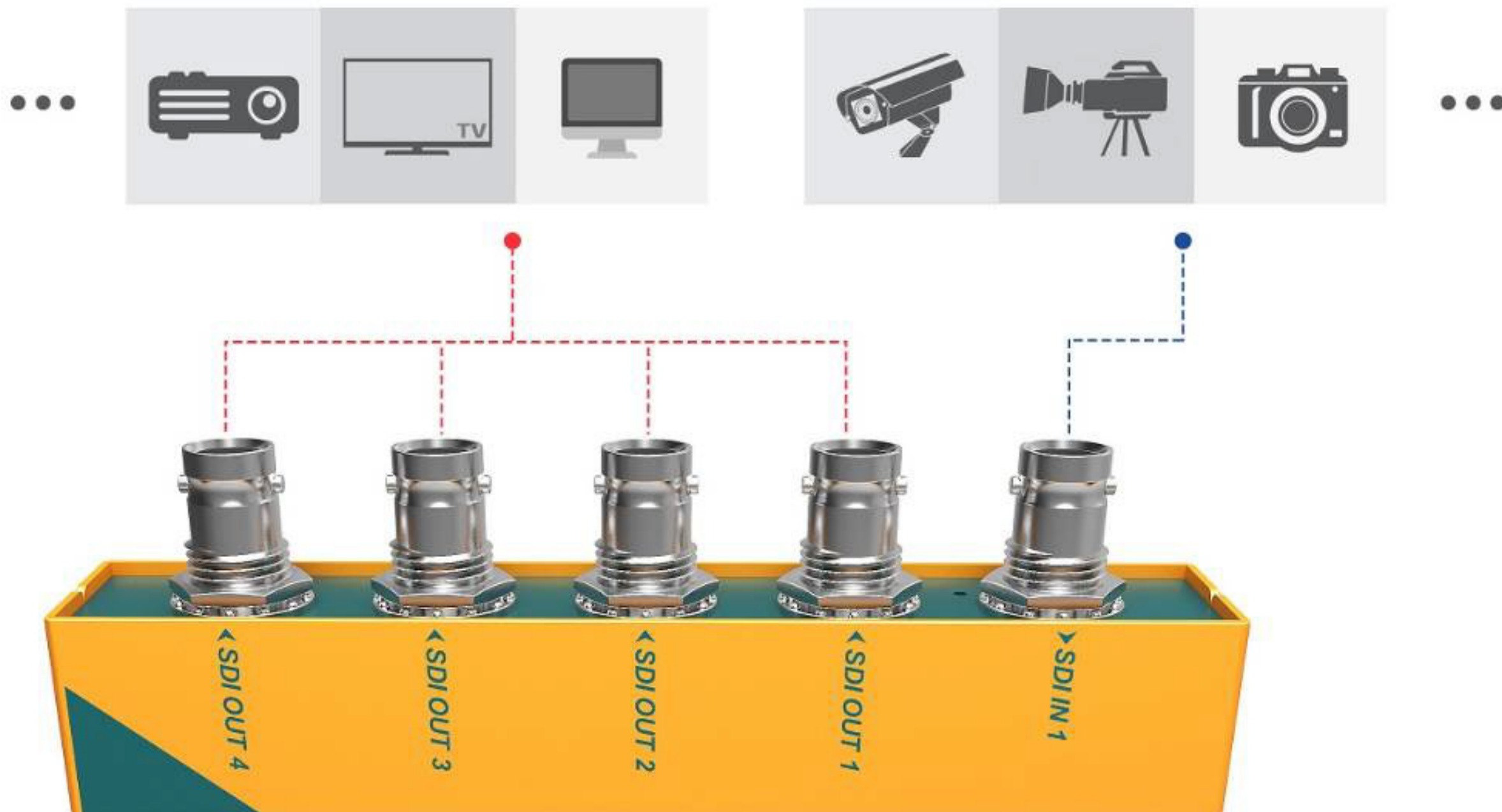
120m SDI Re-clocking

SD1141 include built-in SDI re-clocking and equalization. They will regenerate the SDI video input, reduce SDI jitter and improve SDI eye pattern before the signal gets to the converter's processing.

This allows longer cable lengths(3G: 120m, HD: 200m, SD: 400m).

Widespread Application

SD1141 is ideal for use in broadcast and video production facilities, command and control centers, medical imaging facilities., rental and staging, and other applications.





SDI in SDI out 1 SDI out 2 SDI out 3 SDI out 4



DC 12V Micro USB



Technical specification

CONNECTIONS	Input	SD/HD/3G-SDI ×1
	Output	SD/HD/3G-SDI ×4 (Output 2 and 4 support DVB-ASI)
FORMATS	SDI Input Format Support	1080p 60/59.94/50/30/29.97/25/24/23.98 1080PsF 30/29.97/25/24/23.98 1080i 60/59.94/50 720p 60/59.94/50/30/29.97/25/24/23.98 625i 50, 525i 59.94
	SDI Video Rate	SD/HD/3G-SDI
	SDI Compliance	SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M SMPTE 424M, SMPTE 425M Level A and B
	ASI Compliance	DVB-ASI
	SDI Color Space and Precision	RGB 4:4:4 10bit/12bit, YUV 4:2:2/4:4:4 10bit/12bit
	SDI Auto Switching	Auto selects SD, HD and 3G-SDI on input
	SDI Auto Switching	Auto selects SD, HD and 3G-SDI on input
POWER	Power Connector	Micro USB, Threaded locking connector
	Voltage Range	USB 5V, DC 5~17V
	Power Consumption	1W
ENVIRONMENT	Operating Temperature	-20℃~60℃
	Storage Temperature	-30℃~70℃
	Relative Humidity	0%~90% non-condensing
SIZE	Size	125.5×104×24.5mm
	Weight	485g
PACKING	What's included	SD1141 (1×4 3G-SDI Reclocking Distribution Amplifier) 5V Special Power Adapters × 1
WARRANTY	Warranty	3 year limited warranty