

**AVMATRIX**

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Model NO: **SD1151-12G**

## **1x5 12G-SDI DISTRIBUTION AMPLIFIER**

- ▶ 12G/6G/3G/HD/SD-SDI multi-rate signal processing
- ▶ 5 buffered and re-clocked outputs
- ▶ 1 channel SFP output for optional
- ▶ 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

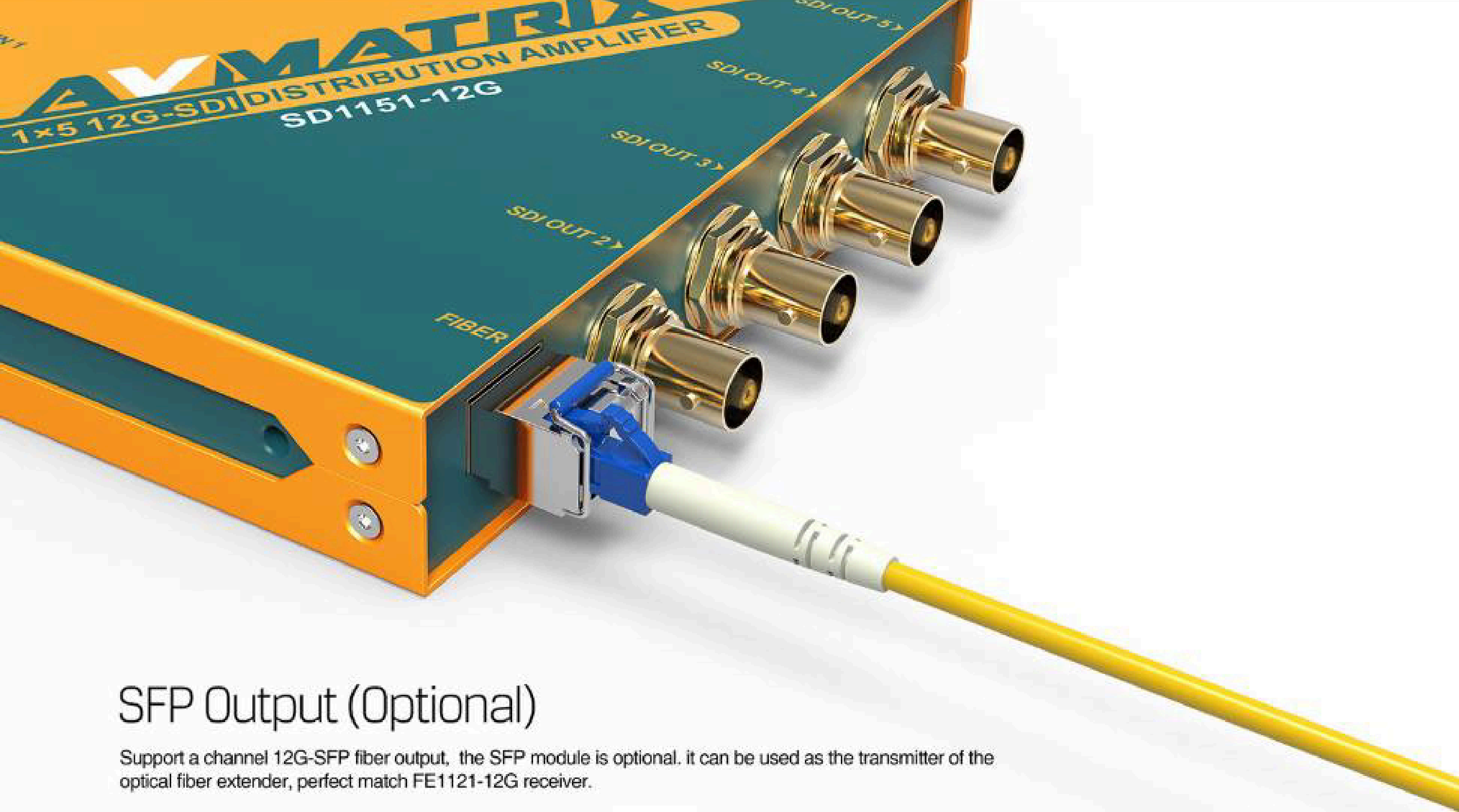
# 1x5 Distribution

SD1151-12G is a compact, one input, five output distribution amplifier for SDI and multi-rate SDI video signals up to 4K60hz(12 Gbps). Supported signals are downward compatible. All inputs and outputs support DVB-ASI signal.



**INPUT** ➔ **1x12G-SDI**

**5x12G-SDI** ➔ **OUTPUT**



## SFP Output (Optional)

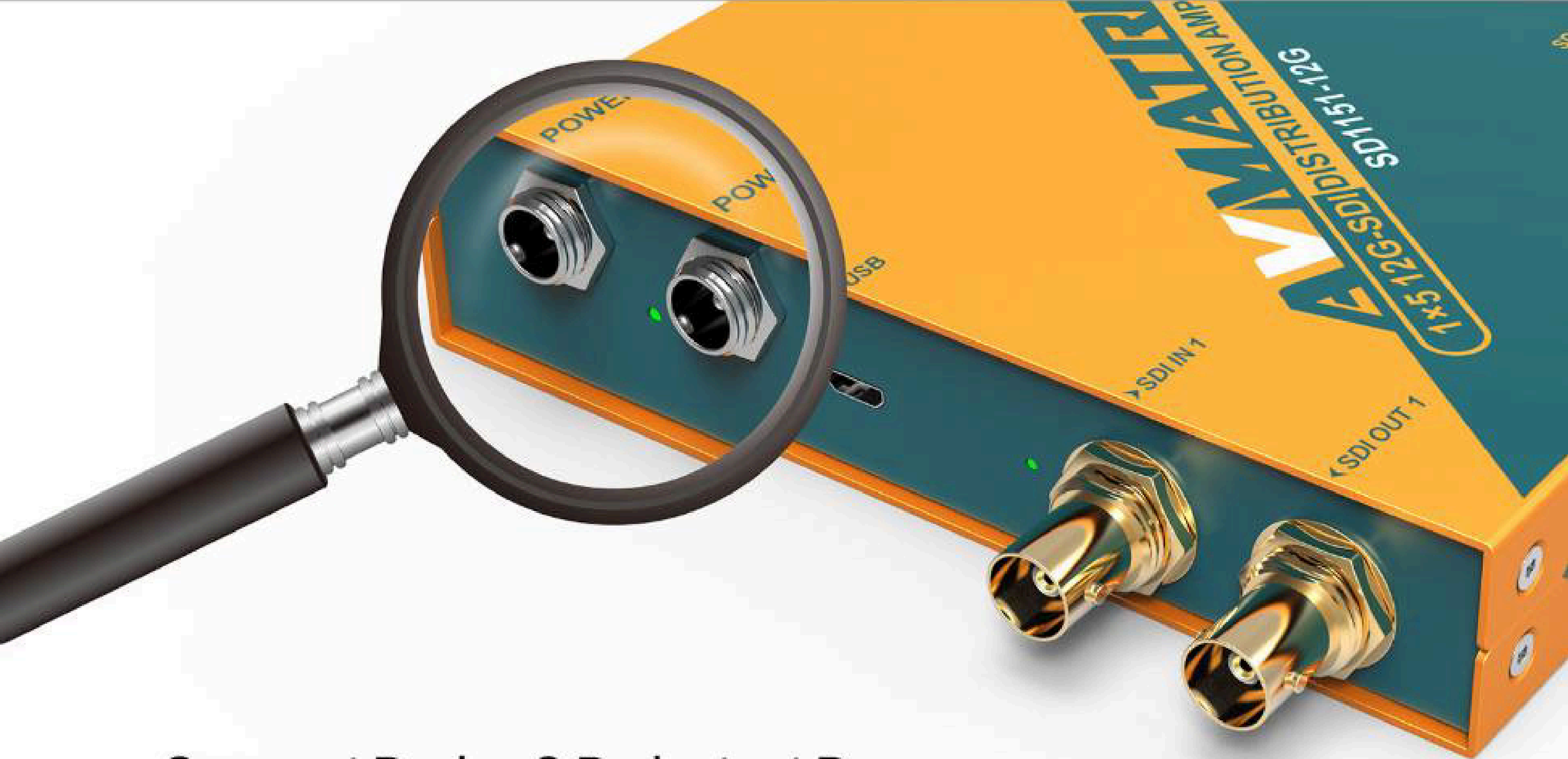
Support a channel 12G-SFP fiber output, the SFP module is optional. it can be used as the transmitter of the optical fiber extender, perfect match FE1121-12G receiver.



# 60M

## SDI Equalization & Re-clocking

Equalized on the SDI input and reclocking on the SDI outputs to maximize performance up to 60m for 12G and 140m for HD-SDI.



## Compact Design & Redundant Power

The use of premium components coupled with dual redundant power supplies ensures device works fine even when the mainpower supply encounters problems. And the super-compact design making a perfect fit for any live broadcast or post production, such as OB vans, broadcast control rooms and studios.

# Technical specification

|             |                               |                                                                                                                                          |
|-------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| CONNECTIONS | Input                         | SD/HD/3G/6G/12G-SDI/DVB-ASI × 1                                                                                                          |
|             | Output                        | SD/HD/3G/6G/12G-SDI/DVB-ASI × 5<br>SFP × 1 (optional)                                                                                    |
| FORMATS     | SDI Video Rate                | SD/HD/3G/6G/12G-SDI                                                                                                                      |
|             | SDI Compliance                | SMPTE ST-2081, SMPTE ST-2082,<br>SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M-B,<br>ITU-R BT.656, ITU-R BT.601, SMPTE 274M, SMPTE 425M |
|             | ASI Compliance                | DVB-ASI                                                                                                                                  |
|             | SDI Color Space and Precision | RGB 4:4:4 10bit/12bit, YUV 4:2:2/4:4:4 10bit/12bit                                                                                       |
| POWER       | Power Connector               | Micro USB, Threaded locking connector                                                                                                    |
|             | Voltage Range                 | USB 5V, DC 5~17V                                                                                                                         |
|             | Power Consumption             | 12V, 0.2A, 2.4W                                                                                                                          |
| ENVIRONMENT | Operating Temperature         | -20℃~60℃                                                                                                                                 |
|             | Storage Temperature           | -30℃~70℃                                                                                                                                 |
|             | Relative Humidity             | 0%~90% non-condensing                                                                                                                    |
| SIZE        | Size                          | 125.5×104×24.5mm                                                                                                                         |
|             | Weight                        | 500g                                                                                                                                     |
| PACKING     | What's included               | SD1151-12G (1×5 12G-SDI Distribution Amplifier)<br>5V Special Power Adapters × 1                                                         |
| WARRANTY    | Warranty                      | 3 year limited warranty                                                                                                                  |

