AV to 3G-SDI Converter

USER MANUAL

Dear Customer

Thanks for purchasing this Converter. In order to better performance and security, Please read this instruction carefully before connecting, operating or adjusting this product. Please Keep this manual for referenc e in future.

1.0 Function

This product support AV signal input,it support 2 ports of the SDI (SD-SDI/HD-SDI/3G-SDI) signal output,support HD SDI signal output,it also very easy to be use with high stability and reliability. AV decode 3 DNR TVP5160 with built-in, a more excellent quality, color more full and better dynamic response. This converter can be widely used in SDI broadcast room, no-linear editing field, CCTV security system and training showroom etc.

2.0 Specifications

1.Type of the port
Input port : 1*AV port ;
Output port :2*SDI port (BNC port);
2.Power Voltage
SDI output resolution 720 p @ (16:9) 60, 1080 DC12V;
power Consumption:<3W; 3. AV input resolution 480i/576i/480P/576P;

4.SDI output
Format:3G-SDI:SMPTE 424M
HD-SDI:SMPTE 292M
Transmission Rates:2.97Gbit/s,1.485Gbit/s resolution:When selecting CVBS as signal input source, p25/30/60 (16:9),720p @(4:3), 60, 1080 p25/30/60 (4:3); Transmission distance and resistance:

SD-SDI	250m~300m	1694A coaxial cables/75Ω
HD-SDI	150m~200m	1694A coaxial cables/75Ω
3G-SDI	80m~100m	1694A coaxial cables/75Ω

Theoretical value (it depends on the cable quality and the specific distance).

5.Protection:
Contact discharge：±4KV
Air discharge：±8KV
6.Mechanical
Size(L-W-H):94×64×27mm;
Wight(Net):206g;
7.Temperature and Humidity
Running temperature:-10℃~50℃（14-122°F）
Relative humidity:5％~85％（Non-condensing）

3.0 Package Contents

Before attempting to use this unit,please check the packing and make sure the following items are contained in the shipping carton:
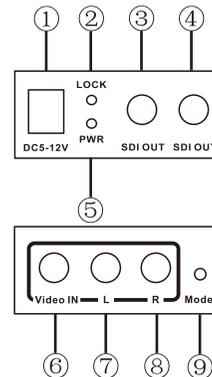
1) Main unit---------------------------1PCS
2) Power Supply----------------------1PCS
3) User Manual-----------------------1PCS

4.0 Safety operation guidelines

1) Please keep away from moisture,high temperature,dust,corrosive and oxidizing gas environment.
2) All the parts should avoid strong vibration,please don't crash,knock, or break down.
3) Please hold on the head of the power adapter when you pull off the power adapter instead of pull the power cable.
4) Please turn off the power when the machine is not in use(please pull off the power adapter when you will not use it in a long time).
5) Please don't open the products yourself and don't touch the parts inside.
6) You should use the original power adapter which provide from the manufacturer or the reliable power adapter.
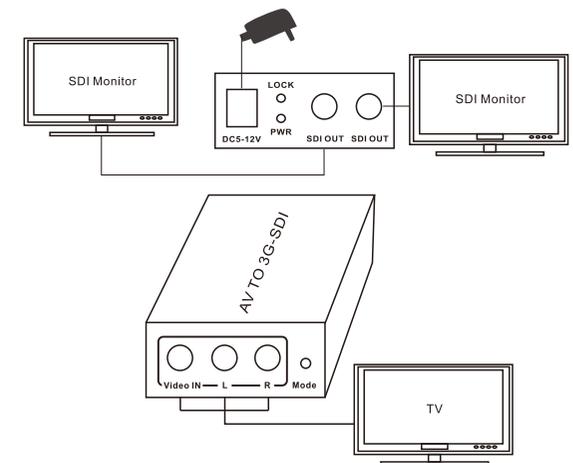

5.0 Operating Controls and Functions

① Power supply adapter input port(12V/1A)
② SDI output   port(Green led)
③④ SDI output port
⑤ Power LED indicator,red
⑥ Video input port
⑦ Left channel input port
⑧Right channel input port
⑨Select video source and switch SDI video output.

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6. 0 Connection diagram