

# ALL to SDI Scaler Converter

## Operation Manual

### 1. Introduction

The ALL to SDI Scaler Converter allows you to upscale Composite,VGA,DVI,HDMI signals to high definition video of SDI formats (HD-SDI SMPTE 292M or 3G-SDI 424M/425M), then output to both ports at the same time.

### 2. Features

- Supports HDMI, DVI, VGA and Composite Video input signals;
- Supports two SDI output simultaneously;
- Supports SDI output distance up to 100 meters (3G-SDI), or 200 meters (HD-SDI);
- Scales any input signal to the HD-SDI or 3G-SDI output signals;
- Supports HDMI input timings: VGA@60 ~ SXGA@60 & 480i ~1080p@60 Hz;
- Supports VGA/DVI input timings: VGA@60 ~1920×1080@60 Hz;
- Supports Composite Video input timings NTSC, PAL,SECAM;
- Supports Black screen signal output;

### 3. Package Contents

- ALL to SDI Scaler Converter 1pcs
- 12V/2.5A DC power adaptor 1pcs
- Operation Manual 1pcs

### 4. Specification

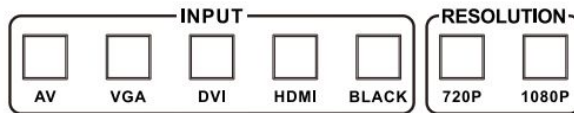
<b>SDI Transmission Rates</b>	2.970 Gbps, 1.485 Gbps
<b>Video Bandwidth</b>	165 MHz
<b>Input Ports</b>	1×HDMI (Type A connector),

	1×DVI with Audio
	1x VGA with Audio
	1×Composite with R/L
<b>Output port</b>	2×SDI (HD/3G-SDI),
<b>SDI Cable Distance</b>	3G/HD/up to 100/200 meters with BELDEN 1694A cable
<b>HDMI Cable Distance</b>	Input: 10 m, 8/12-bit
<b>Input HDMI Timing Support</b>	VGA@60, SVGA@60, XGA@60, SXGA@60, WXGA@60,480i@60,576i@50, 480p@60, 576p@50, 720p@50/60, 1080i@50/60, 1080p@24/25/30/50/60;
<b>Input VGA/DVI Timing Support</b>	VGA@60, SVGA@60, XGA@60, SXGA@60, WXGA@60,1280x720@60, 1920×1080@60
<b>Input Composite Support</b>	NTSC, PAL,SECAM
<b>Output Timing Support</b>	SDI: SMPTE 292M (1.485 Gbit/s) & SMPTE 424M/425M (2.970 Gbit/s)
<b>ESD Protection Human-body Model:</b>	
	±8kV (air-gap discharge)
	±4kV (contact discharge)
<b>Dimensions</b>	110mm (W)×288mm (D)×32 mm (H)
<b>Weight</b>	750 g
<b>Chassis Material</b>	Metal
<b>Operating Temperature</b>	0°C~40°C / 32°F ~ 104°F
<b>Storage temperature</b>	-20°C~60°C / -4°F ~ 140°F
<b>Relative Humidity</b>	20~90% RH (no condensation)
<b>Power Consumption</b>	5W

## 5. Operation and Functions

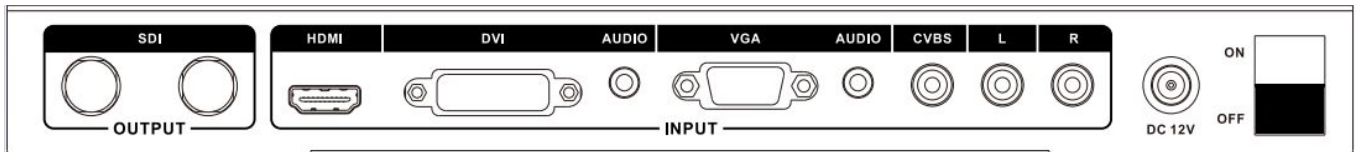
### 5.1 Front panel

## ALL TO SDI



1. **INPUT BOTTONS:** Press these buttons to select the input source.
2. **RESOLUTION BOTTONS:** Press these buttons to select the SDI output resolution.

## 5.2 Rear panel



1. **OUTPUT:** The two SDI output is where you connect the SDI monitor with SDI cable for input source display.
2. **Input:** These slot is where you connect the HDMI/DVI/VGA/Composite source output from DVD, PS3,Set-top Box and Note Book.
3. **DC 12V:** Plug the 12V DC power supply into the unit and connect the adaptor to AC wall outlet.
4. **ON/OFF:** Power ON/OFF.

## 6. Connection Diagram

