SHINYBOW™

SB-5602
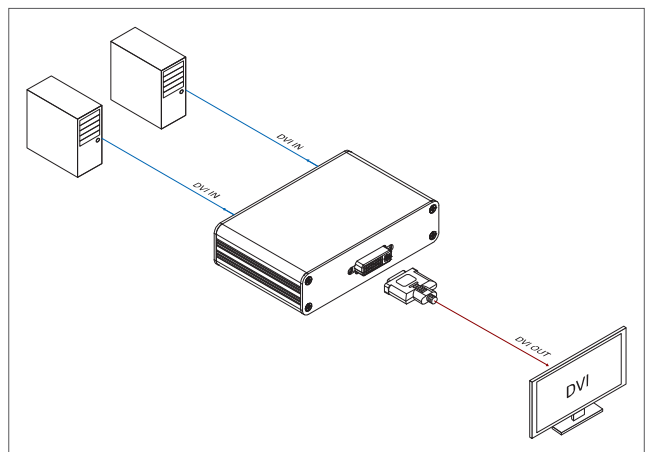## 2x1 DVI Routing Switcher

Input   : 2x DVI
Output : 1x DVI

INTRODUCTION

The SB-5602 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™(TMDS) digital Video with HDCP compliant. Providing 2x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL

FEATURES

01. Support : 2:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion (CSC) between RGB and YCBCR color spaces with programmable coefficients
09. Power via LED display on front panel
10. Control by front panel selection buttons
11. Support wall rack mountable type
12. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	2:1 DVI Routing Switcher
Signal Support	DVI standard, HDMI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
Ttype of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons
Data Rates/Pixel clocks	250Mbps to 2.25 Gbps 25MHz to 225 MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Support digital video input	RGB/YCBCR:24/30/36-bit YCBCR:8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR:12/15/18-bit
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)