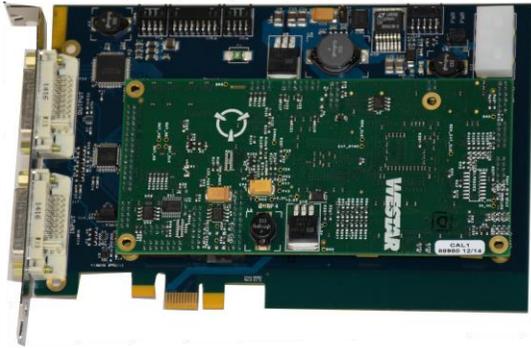


SC-2 Special Carrier Board

SC-2



SC-2 Special Converter Board

The SC-2 is a special carrier board for the Westar VP7-S video adapter. (Please see separate datasheet for the VP7-S). The VP7-S mounts onto the SC-2 board as shown in the photo above. The combination board set fits in a PCIe x1 slot in a PC.

The SC-2 receives its power from the PCIe connector or from a standard hard drive power connector from your PC power supply. This is selectable via an on-board jumper.

The VP7-S acts as the video processing engine for the board set. The VP7-S can be set up to process either TMDS or analog video. The SC-2 input/output connectors are the industry standard DVI-I connector. Westar supplies (2) DVI-I <> HD15 adapters for use with standard VGA cables. Parallel digital video out of the VP7-S is converted on the SC-2 into analog and/or digital video in DVI, RGBHV and RGB Sync-on-Green formats.

Common SC-2 Applications include:

- Convert non-interlaced standard PC video to interlaced formats, such as RS-343 and RS-170 (and vice versa!)
- Convert standard PC video to a lower resolution video format
- Convert RGBHV to RGB Sync-On-Green (and vice versa!)
- Create non-standard timings from standard PC video
- Window an area-of-interest out of a video stream, and output in a different format

- **Ideal for converting progressive scan video outputs into interlaced formats**
- **Ideal for generating video at resolutions less than VGA**
- **Analog RGB input and output**
- **DVI-D (TMDS) input**
- **Adjustments via utility software**
- **Supports re-configuration in-the-field**
- **Supports up to SXGA video rates**
- **Supports windowing and re-timing**
- **Horizontal and Vertical flip**
- **Fits in a PCIe x1 slot**

Configure for your requirements:

All SC-2 customers receive our VP7configure software to configure the VP7-S for their specific application. Our application engineers can assist you via phone or e-mail.

In many cases, our customers can share the detailed timing of their video source, and we “pre-set” the configuration for the customer!

How to get started

Please contact us at (636) 300-5164. The following documents are available to customers:

- SC-2 Installation Document
- VP7-Short Installation Manual
- VP7configure Software Configuration Manual
- VP7 Command Line description

Ordering information

The SC-2 and the VP7-Short are sold separately. This allows customers to spare these components as required for their program.

We recommend that the SC-2 and VP7-Short be ordered as pairs, as follows: **VP7-S/SC-2**

We will then assemble the pair at the factory, and test them as a unit.

We also recommend that the units be returned as a pair if a RMA is required.

Mini Specifications

Video I/O: RGBHV, RGB SOG, TMDS
 Power: 12 VDC IN ~6W (includes VP7-S)
 Form Factor PCIe x1