SC-2 Special Carrier 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

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 “preset” 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: **SC-2/VP7-S**

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