

SC-1 Special Carrier Board



SC-1 Special Converter Board

The SC-1 is a special carrier board for the Westar VP7-Short video adapter. (Please see separate datasheet for the VP7-Short). The VP7-Short mounts onto the SC-1 board as shown in the photo above. The combination board set fits in a PCI or PCIe slot in a PC.

A standard hard drive power connector (see inset) from your PC power supply connects to the board and supplies 12 VDC.



The VP7-Short acts as the video processing engine for the board set. Because the SC-1 connects to the analog input only of the VP7-Short, the SC-1 is for applications requiring conversion of analog RGB video. The SC-1 input connector is the industry standard HD15 connector. The SC-1 connects to the analog RGB input of the VP7-Short, where all video processing occurs. The SC-1 then connects to the single pixel digital RGB data output from the VP7-Short, and converts this data into Analog RGB. Both RGBHV and RGB Sync-on-Green I/O is possible.

Common SC-1 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 smaller format video
- 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

SC-1

- Ideal for converting progressive scan video outputs into interlaced formats
- Ideal for generating video at resolutions less than VGA
- Analog RGB input and output
- 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 PCI or PCIe slot
- 12VDC input power via hard drive connector

Configured for your requirements:

We sell our SC and VP products directly to the customer. You can set up the board set for your requirements using VP7configure software. 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-1 Installation Document
- VP7-Short Installation Manual
- VP7configure Software Configuration Manual

Ordering information

The SC-1 and the VP7-Short are sold separately. This allows customers to spare these components as required for their program.

We recommend that the SC-1 and VP7-Short be ordered as pairs, as follows: VP7-Short / SC-1

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

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