



SVH-1920 HD LCD Controller Board

Key Features :

- > 8-Bit, 1920 x 1200
- > Multiple Signal Inputs
- > DVI, VGA, Video
- > PAL, NTSC, SECAM Support

The SVH-1920 is a fully buffered multi-sync interface controller for providing analog and digital connection for a wide range of TFT LCD panels up to WUXGA resolution. Featuring full screen image expansion of lower resolutions, image flip and invert functions and onscreen PIP functions, the SVH-1920 also supports an optional High-Definition Serial Digital Interface (HD-SDI) adaptor for professional and broadcast video applications.

Panel Connectivity

1920 x 1200	1366 x 768	800 x 480
1920 x 1080	1280 x 1024	800 x 600
1680 x 1050	1280 x 800	640 x 480
1600 x 1200	1280 x 768	
1440 x 900	1024 x 768	

Input

Analog RGB	60Hz at WUXGA, UXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA
DVI-D	With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGAWUXGA, interlaced & non-interlaced
Video	60Hz at WUXGA 60Hz at UXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA NTSC / PAL / SECAM (Interlaced) Composite Video S-video HD / SD Component

Options

HD-SDI Daughter board, Infra-Red Remote handset, 2W per channel Audio Amplifier.

Reliability

Calculated Mean Time Between Failures
In excess of 100,000 hours. Warranty : 3 years

Features

Colors:	Up to 8 Bit per color, ie 16.7 Million colors
Functions :	On Screen Display (OSD) menu
Function Controls:	External buttons, Infra-Red controls, Serial Port control
Image Scaling :	Up/Down scaling to fit input to panel format
Image Control :	Auto configuration, Brightness, Contrast, Clock, Phase, Color temperature, Image position, Saturation, Hue, Gamma.
Other Features :	System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, OSD menu transparency, Horizontal & Vertical image inversion, Picture in Picture - variable position, any input combination (3 sizes), Programmable hot keys, Serial port protocol, Ambient light sensor.
Power Requirements :	+12VDC / +24VDC ±5%,10W (controller only)
Panel Power :	Supports 3.3V, 5V, 12V & 18V panels.
Panel Signal :	Dual channel TTL & LVDS support.
Inverter Support :	DPMS Enable pin (3.3V or 5V)
Plug & Play :	DDC 1,2/b compatible
Status Indicator :	Dual Color LED support.

