



SVH-1920+ HD LCD Controller Board

Key Features :

- > 10-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, and 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 10 Bit per color, ie 1.06 Billion 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, Picture in Picture Programmable hot keys, Serial port potocol, Optional ambient light sensor.
Power Requirements :	+12VDC / +24VDC \pm 5%,10W (controller only)
Panel Power :	Supports 3.3V, 5V, 12V & 18V panels.
Panel Signal :	Single 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.

