



## SVH - 1920

The Digital View SVH-1920 interface controller for high-definition, large format professional monitor applications.

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. The SVH-1920 is part of Digital View's "Professional Class" video controller family featuring advanced capabilities, support and custom development paths for OEM clients.

### Panel Connectivity

<b>TFT:</b>	•1920x1200	•1280x1024	•800x600
	•1920x1080	•1280x768	•640x480
	•1600x1200	•1280x600	
	•1366x768	•1024x768	

### Input

- Analog RGB:**
- 60Hz at WUXGA
  - 75Hz at SXGA, WXGA, XGA, SVGA, VGA

With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGA-UXGA, interlaced & non-interlaced.

- DVI-D:**
- 60Hz at WUXGA
  - 60Hz at UXGA
  - 75Hz at SXGA, WXGA, XGA, SVGA, VGA

- Video:**
- NTSC
  - PAL/SECAM (Interlaced)
  - Composite Video
  - S-video
  - RGB Video
  - SD & HD Component (YCrCb) / (YPbPr)

### 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.

**Dimensions:** 179mm x 120.4mm (7" x 4.74")

**Form Factor:** DV standard & mounting holes

**Power Requirements:** 12V DC, 10W (controller only)

**Panel Power:** Supports 3.3V, 5V & 12V panels.

**Panel Signal:** Dual channel TTL & LVDS support.

**Inverter Support:** DPMS Enable pin (5V or 12V)

**Plug & Play:** DDC 1,2/b compatible

**Status Indicator:** Dual Color LED support.

### Options

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

**Custom Engineering Services** - custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.

