



SVH-1920 RoHS

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

TFT :	1920x1200	1440x900	1024x768
	1920x1080	1366x768	800x480
	1680x1050	1280x1024	800x600
	1600x1200	1280x768	640x480

INPUT

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

OPTIONS

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

RELIABILITY

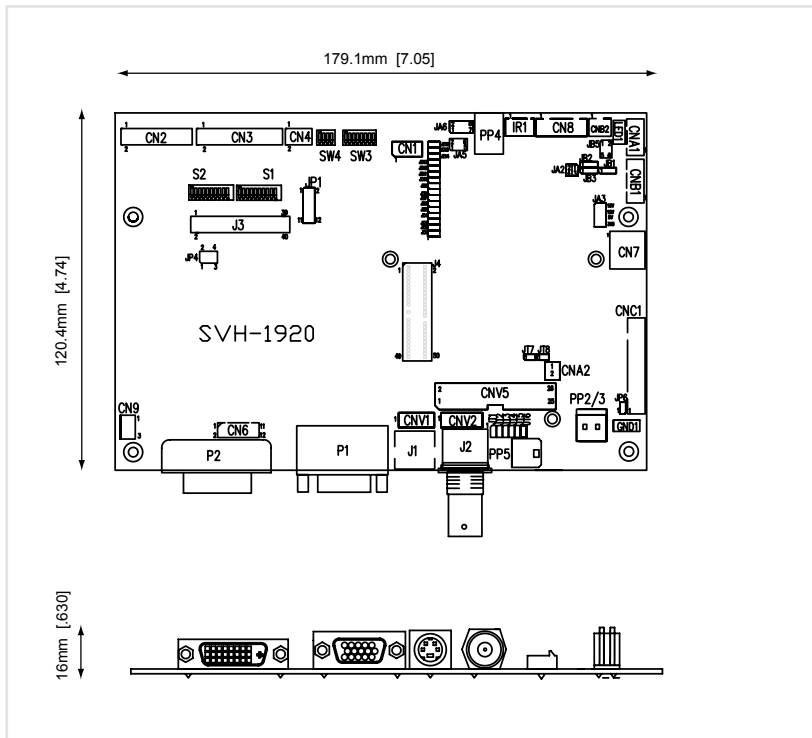
Calculated Mean Time Between Failures
In excess of 100,000 hours. Warranty: 3 years.

CUSTOM ENGINEERING SERVICES

Custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.

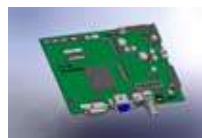
FEATURES

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.



CONNECTOR DEFINITIONS

CN2	TTL Panel Signal
CN3	TTL Panel Signal
CN4	TTL Panel Signal
CN5	Alternate HDMI connector
CN7	Audio board connector
CN8	RS-232 serial control
CN9	Ambient light sensor connector
CNA1	Auxiliary power output
CNA2	Auxiliary +5VDC output
CNB1	Backlight inverter
CNC1	OSD controls
CNV1	Alternate Video-In
CNV2	Component Video-In
CNV5	Auxiliary Video-In
J1	S-Video In
J2	Composite Video-In
J3	Panel Signal for LVDS Panel
J4	HD-SDI adaptor board interface
IR1	Infra-Red sensor connector
LED1	Dual color LED connector
P1	VGA Analog input
P2	DVI-D input
PP2/PP3	Power input (Alternate)
PP4	External panel power input
PP5	Power input



Ready-made 3D drawing files

File Type: SLDprt

Save time and effort for your system volumetric analysis design. Includes jpg file previews.

<http://www.digitalview.com/controllers/products.php>

MECHANICAL DRAWING

Dimensions:	179mm x 120.4mm (7" x 4.74")
Form Factor:	DV standard & mounting holes

ACCESSORIES

416013310/20-3:	HD-SDI Adaptor (HD-1000 / HD2000)
Kit 60110-3	OSD Button Board
Kit 60121-3	OSD Membrane Kit
Kit 60125-3	OSD Membrane Kit
416040010-3	Inverter Interface board
416940020-3	Audio Amplifier
559000104-3	IR Remote Control

** Available upon request.

AVAILABLE DOCUMENTATION

[Instruction Manual](#)
[Revision Control Documentation**](#)
[Firmware Upgrade Manual**](#)
[MTBF Analysis**](#)
[Mechanical Drawing](#)

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