

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, and 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:	60Hz at WUXGA 60Hz at UXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA
Video:	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

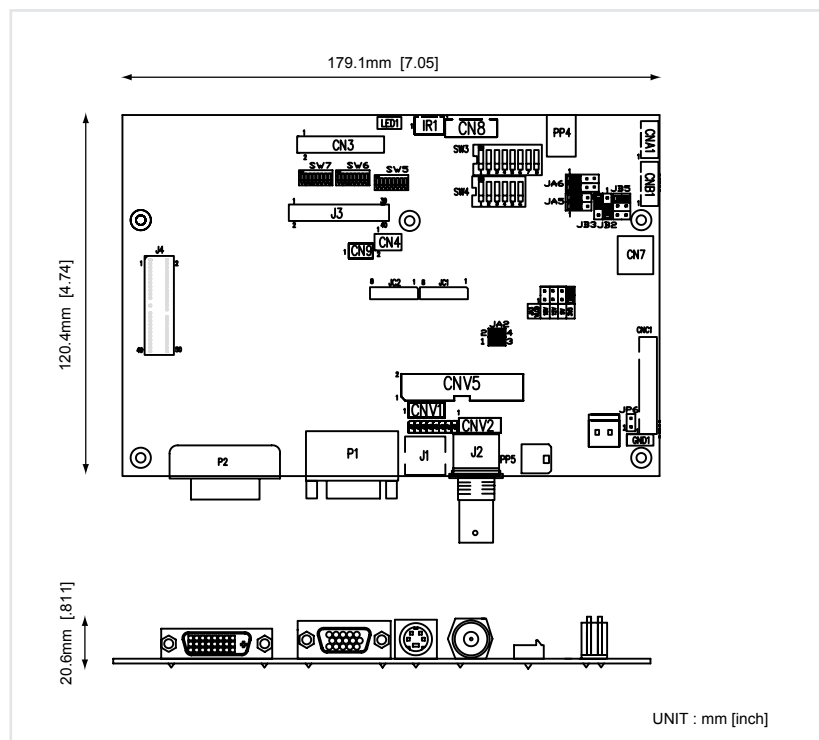
Calculated Mean Time Between Failures
In excess of 100,000 hours. Warranty: 3 years.

CUSTOM ENGINEERING SERVICES

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

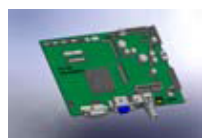
FEATURES

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, 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.



CONNECTOR DEFINITIONS

CN3	TTL Panel Signal
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 Instruction**](#)
[Mechanical Drawing](#)

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