

SVX-1920 RoHS

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

The SVX-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. It is a true 10-bit board that gives 10-bit color deep on a 10-bit panel. The board featuring full screen image expansion, on screen PIP, image marker and supports an optional 3G HD-SDI adaptor for professional and broadcast video applications. It is a 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
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 at WUXGA
60Hz at UXGA
75Hz at SXGA, WXGA, XGA, SVGA, VGA

Video: NTSC /PAL/SECAM (Interlaced)
Composite Video •S-video
SDComponent (YCbCr)
HD Component (YPbPr)

OPTIONS

3G HD-SDI daughter board (HD-3000), Infra-Red Remote handset, 2W Channel Audio Amplifier

RELIABILITY

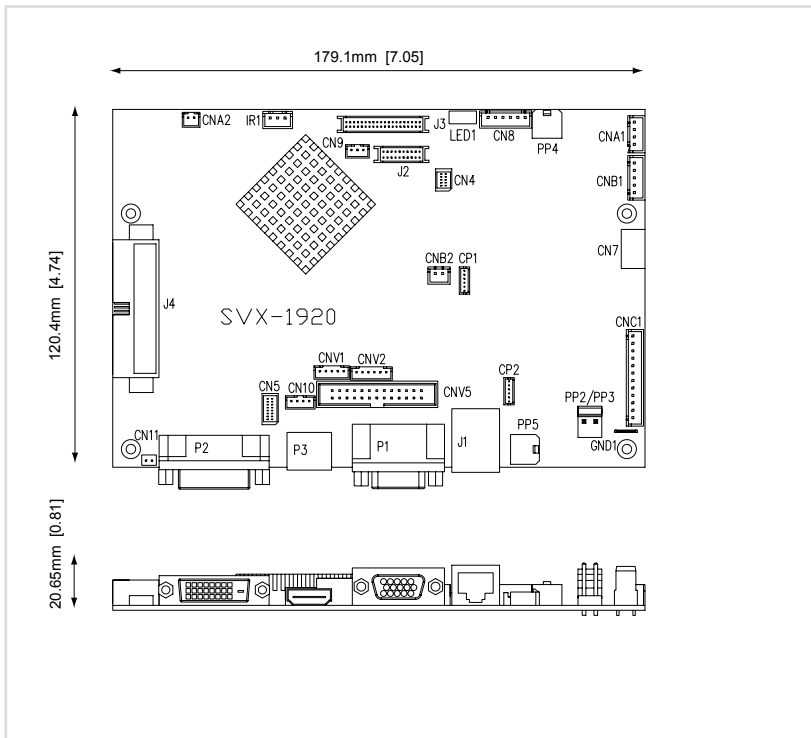
Calculated Mean Time Between Failures
In excess of 100,000 hours. Warranty: 3 years.

CUSTOM ENGINEERING SERVICES

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

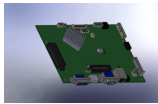
FEATURES

Colors:	Up to 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 - variable position with 18 sizes selection and Picture by Picture, Programmable hot keys, Ambient light sensor.
Power Requirements :	+12VDC / +24VDC ±5%, 10W
Panel Power :	Supports 3.3V, 5V, 12V & 18V panels.
Panel Signal :	Dual channel 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

CN4	Panel control signal connector
CN5	Alternate HDMI connector
CN7	Audio board connector
CN8	RS-232 serial control
CN9	Ambient light sensor connector
CN10	HDMI audio output (no function)
CN11	SPDIF Audio Input
CNA1	Auxiliary power output
CNA2	Auxiliary +5VDC output
CNB1	Backlight inverter
CNB2	Backlight status input connector
CNC1	OSD controls
CNV1	Alternate video in
CNV2	HD/SD Component video in
CNV5	Auxiliary video in
J1	Ethernet for IP-50 connection
J2	Additional Panel Power Output
J3	Panel Signal for LVDS Panel
J4	3G HD-SDI adaptor board interface
IR1	Infra-Red sensor connector
LED1	Dual color LED connector
P1	VGA Analog input
P2	DVI-D input
P3	HDMI 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. Please download at http://www.digitalview.com/drawing/AVP-1600_-00_3D_drawing.zip



Controller Solution Generator

A web based resource matching controllers & panels with connection diagrams for download. Please go to <http://www.digitalview.com/controllers/csg.php>

ACCESSORIES

416016000-3	3G HD-SDI Adaptor (HD-3000)
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 DOCUMENTATION

Instruction Manual
 Serial Port Programming Manual**
 Firmware Upgrade Manual**
 MTBF Analysis**
 Mechanical Drawing

USA

Digital View Inc.

18440 Technology Drive
 Morgan Hill, CA 95037,
 USA

Tel : +1 (408) 782-7773

EUROPE

Digital View Limited

6 Marylebone Passage
 London, W1W 8EX
 UK

Tel : +44 (0) 20-7631-2150

ASIA

Digital View Ltd.

16th Floor Millennium City 3
 370 Kwun Tong Road
 Kwun Tong, Hong Kong

Tel : (852) 2861-3615