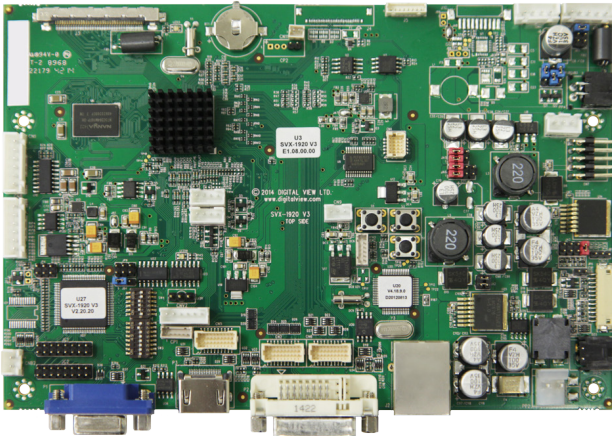


SVX-1920v3 High-Resolution Controller



Key Features :

- > DVI, HDMI (1.4), VGA (DB15), Component
- > LVDS
- > 10-Bit, 1920 x 1200 WUXGA @60Hz
- > Image Flip (Horizontal & Vertical)
- > RS-232, Ethernet Control, I2C
- > Custom Conformal Coating

The SVX-1920v3 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 function. It is part of Digital View's "Professional Class" video controller family featuring advanced capabilities, support and custom development paths for OEM clients.

Panel Connectivity

1920 x 1200	1440 x 900	1024 x 768
1920 x 1080	1366 x 768	1024 x 600
1680 x 1050	1280 x 1024	800 x 600
1600 x 1200	1280 x 800	800 x 480
1600 x 900	1280 x 768	640 x 480

Input

ARGB / VGA:	60Hz at WUXGA, UXGA 75/60Hz 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:	60Hz at WUXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA
HDMI 1.4:	60Hz at WUXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA
Video:	SD Component (YCbCr) HD Component (YPbPr)

Reliability

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

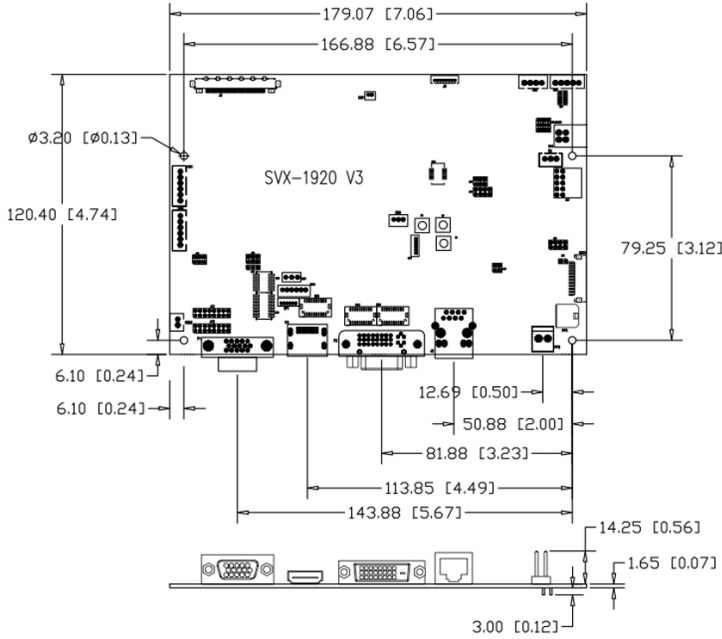
Features

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, Ethernet Control
Image Scaling :	Up / Down scaling to fit input to panel format
Image Control :	Auto Picture Setup, Brightness, Contrast, Clock, Phase, Color Temperature, Image position, Hue, Saturation, Sharpness
Other Features :	System Information, Aspect/Size, Freeze, Programmable Hot Keys, Factory Reset
Power:	+12VDC ±5%, 10W (controller only)
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

SVX-1920v3

HIGH-RESOLUTION CONTROLLER

Mechanical Drawing



Connector Definitions

CN1	Second RS-232 serial control
CN2	Alternate DVI Connector
CN4	Panel Control Signal Connector
CN5	Alternate HDMI Connector
CN6	Auxiliary digital Input Connector
CN7	Reserved for Audio Board Connector
CN8	RS-232 Serial Control
CN9	Ambient Light Sensor Connector
CN11	SPDIF Audio Output
CN13	Reserved for Speaker In
CN14	Reserved for Speaker Out
CNA1	Auxiliary Power Output
CNB1	Backlight Status Input Connector
CNB2	Backlight Status Input Connector
CNC1	OSD Control
CNV2	HD/SD Component Video in
CP1	Reserved for internal programming
CP2	Reserved
CP3	Reserved for internal programming
IR1	Infra-Red Sensor Connector
J2	Ethernet for Network Connection
J3	Panel Signal for LVDS Panel
J5	Panel Power Output
LED1	Dual Color LED Connector
P1	VGA Analog Input
P2	DVI-D Input
P3	HDMI Input
PP2	Power Input (alternative)
PP4	External Panel Power Input
PP5	Power Input

Ordering Options

SVX-1920v3	P/N 41748001X-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 559000106-3
OSD Button Board	Kit 67110-3
OSD Vertical Membrane Kit	Kit 67134-3
OSD Horizontal Membrane Kit	Kit 67135-3

Drawings

> Includes 2D (jpg)
 > 3D (SLDPRT)

Please download at:
www.digitalview.com/products/SVX-1920v3

Available Resources

> Instruction Manual
 > Revision Control Documentation**
 > Firmware Upgrade Manual**
 > Mechanical Drawing
 ** Available on Request

Controller Solution Generator
<http://www.digitalview.com/csg>

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