

SVX-1920-SDI

High Resolution LCD Controller Board

Key Features :

- > 10-Bit, 1920 x 1200
- > Analog RGB, DVI, HDMI, HD-SDI(3G)
- > RS232, Ethernet Control
- > Variable PIP position

The SVX-1920-SDI is a new high end controller based on the architecture of the current SVX-1920 & HD-3000SF.

Panel Connectivity : TFT

1920x1200	1366x768	800x600
1920x1080	1280x1024	800x480
1680x1050	1280x800	640x480
1600x1200	1280x768	
1440x900	1024x768	

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 VGAWUXGA, interlaced & non-interlaced
DVI-D / HDMI	60Hz at WUXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA
HD-SDI (3G) 1 & 2 in/out, SFP optical in/out :	576i50 (PAL) 480i60 (NTSC) 720p60/59.94/50/30/29.97/25 (4:2:2) 1035i60/59.94 (4:2:2) 1080i60/59.94/50 (4:2:2) 1080p60/50/30/29.97/25/24/23.98 (4:2:2) 1080psf30/25/24/23.98 (4:2:2) 1080i60/59.94/50 (4:2:2) 1080p60/50 (4:2:2)
Video	NTSC/PAL/SECAM (Interlaced) Composite Video HD/SD Component Video

Options

Infra-Red Remote handset, Audio Amplifier

Custom Engineering Services

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

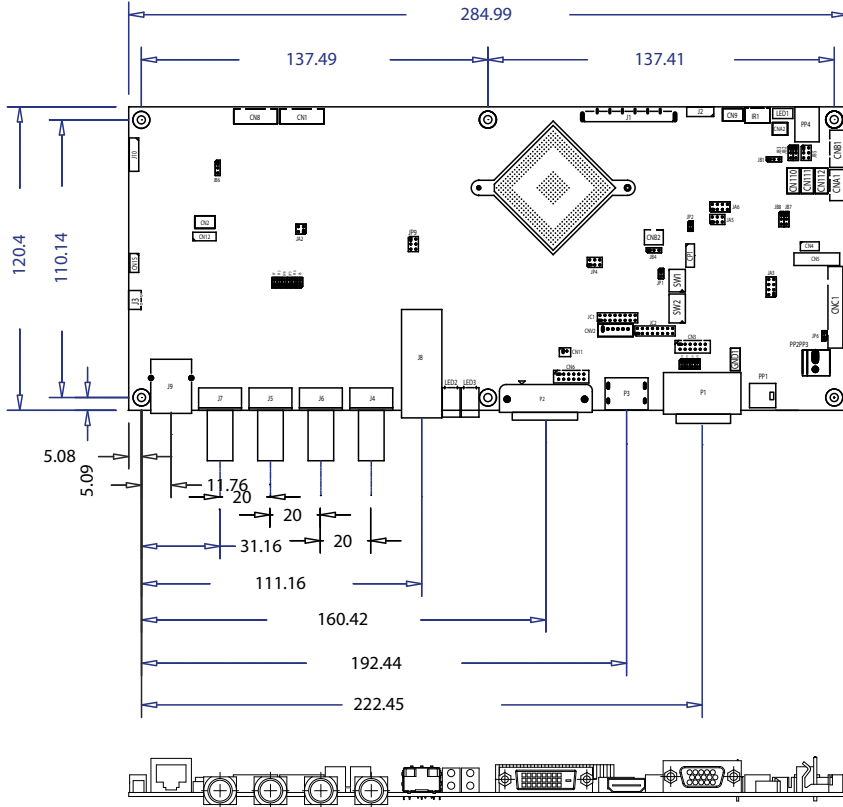
Specification

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 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, Display real time clock.
Dimensions:	285mm x 120mm x 18.3mm
Power Requirements:	+12VDC / 24VDC ±5%, 15W (controller only)
Panel Power:	Supports 3.3V, 5V, 12V & 18V panels
Panel Signal:	LVDS.
Inverter Support:	PWM, DPMS Enable pin (5V or 12V)
Plug & Play:	DDC 1,2/b compatible
Status Indicator:	Status LED support (controller, SDI, SFP optical input status)

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Dimensions



Connector Definitions

CN3	TTL Panel Signal
CN1	Second RS-232 serial control
CN2	Reserved for temperature sensor
CN4	Reserved for Speaker out
CN5	Reserved for audio control
CN6	Reserved
CN7	Audio board connector
CN8	RS-232 serial control
CN9	Ambient light sensor connector
CN11	SPDIF Audio output
CN12	IP-60 programming port
CN15	Reserved
CN110	Reserved for Audio line in
CN111	Reserved for Audio line in
CN112	Reserved Audio line in
CP1	Reserved for engineering use
CNA1	Auxiliary power output
CNA2	Auxiliary +5VDC output
CNB1	Backlight inverter
CNB2	Backlight status input connector
CNC1	OSD controls
CN3	Four composite video in
CNV2	HD / SD Component video in
J1	Panel signal for LVDS panel
J2	Additional panel power output
J3	Reserved for Display mark
J4	SD/HD-SDI 1 Input
J5	SD/HD-SDI 1 Output
J6	SD/HD-SDI 2 Input
J7	SD/HD-SDI 2 Output
J8	SFP optical in/out
J9	Ethernet (IP-60) for network connection
J10	On-board LED backlight driver connector
J2	Additional panel power output
IR1	Infra-Red sensor connector
LED1	Dual color LED connector (controller status)
LED2	Status LED (SFP optical input status)
LED3	Status LED (SDI input status)
P1	VGA analog input
P2	DVI-D input
P3	HDMI input
PP1	Power input
PP2/PP3	Power input (alternative)
PP4	External panel power input

Ordering Options

SVX-1920-SDI	P/N 4173500xx-3
Digital OSD button	Kit 67110-3
Horizontal membrane	Kit 67134-3
Vertical membrane	Kit 67135-3
Inverter Interface board	416040010-3
IR Remote Control	559000106-3

3D Drawings (SLDPRT)

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

Please download at www.digitalview.com/products/svx-1920-sdi-lcd-controller

USA

18440 Technology Drive, Morgan Hill, CA 95037, USA
 t : +1 (408) 782-7773

EUROPE

The Lake House, Knebworth Park, Herts, SG3 6PY, UK
 t : +44 (0) 20-7631-2150

ASIA

16th Floor Millennium City 3, 370 Kwun Tong Road, Kwun Tong, Hong Kong
 t : (852) 2861-3615