



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

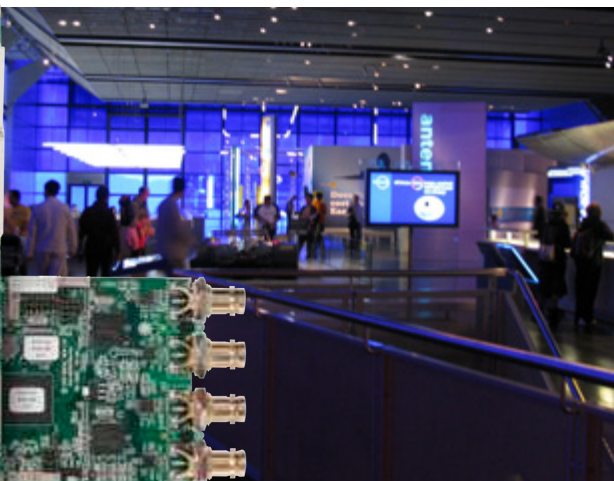
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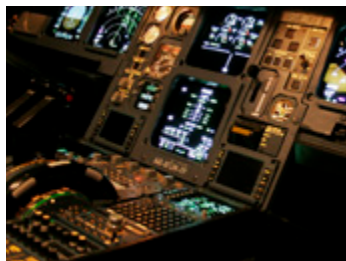
DIGITALVIEW®  
■ ■ ■ ■ ■ ■ ■ ■

# Display Builder Product Guide

AUG 2011

LCD Interface Controllers  
Media-Player Boards  
Accessories  
Integre Chassis

[www.digitalview.com](http://www.digitalview.com)



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## Digital View

Since 1995 Digital View has been designing and producing LCD display sub-systems and related accessories for leading display product manufacturers around the globe.

Digital View interface controllers have been used in virtually every conceivable LCD display related application and the media player boards used extensively in the growing signage market.

Typical display applications using Digital View boards include:

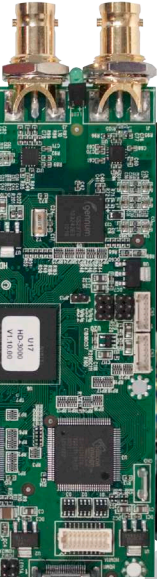
- » Robust Industrial Displays
- » Harsh Environment Displays
- » Defense and Security
- » Avionics, Marine and Rail
- » Healthcare Imaging Systems
- » Video Broadcast & Studios
- » Digital Signage for Retail, Advertising & Information



### Why Digital View...

Take advantage of 16 years of consistent performance as a leading controller developer, manufacturer and reliable company. Having pioneered the development of specialty LCD interface controllers, Digital View provides a highly skilled, passionate engineering team with customization and support services, including a wide range of accessories to complement core products. Digital View:

- » Provides the engineering expertise and technological bridge to the changes and future trends within the industry.
- » Brings cost effective products to market, so companies don't have to develop the expertise themselves while focusing on meeting their own goals.
- » Reduces time to market and increases ROI.
- » Tests the controller solution 100% on the Manufacturing line.
- » Meets MIL standards and UL, CUL, CE, TUV safety and compliance criteria for systems engineering.



Control Rooms

## Medical





**In-Flight**



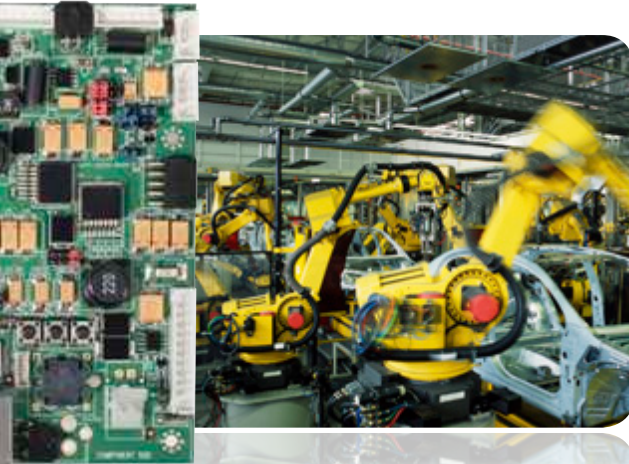
**Demanding Environments**



**Aviation**

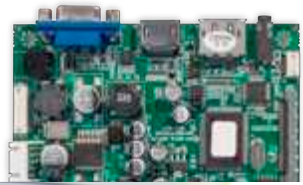
**Marine**





Industrial

Signage



## LCD Panels Supported



# Selecting An LCD Controller

Digital View LCD controllers are suitable for large, medium and small displays. Some of the key criteria are:

» **LCD Panel Resolution**

We typically support everything from 640x480 through to 1920x1200 with common as well as some unusual resolutions in between. If you are looking for a controller to match a panel a good place to start is the Controller Solution Generator at [www.digitalview.com/csg](http://www.digitalview.com/csg)

» **Signal Inputs**

This comprises signal formats, resolutions and connectors such as HDMI, DVI, DisplayPort, 3G-SDI & HD-SDI, Component, VGA - ARGB, Composite together with legacy system support such as Sync-On-Green.

» **Features & Functions**

After 16 years of provide LCD controllers for nearly every type of display application there is an extensive list. Some are listed in the controller summary pages that follow otherwise please contact your nearest Digital View office or authorized reseller as listed on [www.digitalview.com/display-builder-home](http://www.digitalview.com/display-builder-home) for assistance.

» **User Interface**

Buttons, joysticks, hot-buttons, auto-switching and remote control are just some of the display control options available. Typically these are enabled by Digital View Accessories or via the extensive RS-232 command sets built into our controllers.

» **Harsh Environments :**

Heat, vibration, dust and other airborne contaminants are catered for with the Harsh Environment models. If this is not required then the General Purpose models should be suitable.

## Custom Engineering & Prototyping

Digital View provide extensive custom engineering services  
Contact us for details.






## Multi-Purpose LCD Controller Range

Model	Photo	Panel Resolutions	Color	Panel Voltage	Input Signals	Command + Control	Other
<b>SGX-1920</b> 179cm x 120cm		upto 1920 x 1200 LVDS	upto 10-Bit	3.3v 5v 12v 18v	HDMI x1 DVI-D x1 VGA x1 HD/SD Component x2 Composite x2 S-Video x2	» OSD Buttons » IR Remote » Ethernet » RS-232	» Dual Digital PIP » 3G/HD/SD-SDI* » Screen Marker » 12/24V DC Input
<b>SGX-1920L</b> 137cm x 112cm		upto 1920 x 1200 LVDS	upto 10-Bit	3.3v 5v 12v	HDMI x2 VGA x2 Composite x4	» OSD Buttons » IR Remote » RS-232	» Dual Digital PIP » 3G/HD-SDI* » Screen Marker » Separate PSU**
<b>SVX-1920</b> 179cm x 120cm		upto 1920 x 1200 LVDS	upto 10-Bit	3.3v 5v 12v 18v	HDMI x1 DVI-D x1 VGA x1 HD/SD Component x2 Composite x2 S-Video x2	» OSD Buttons » IR Remote » Ethernet » RS-232	» PIP » 3G/HD/SD-SDI* » Screen Marker » 12/24V DC Input
<b>SVH-1920+</b> 179cm x 120cm		upto 1920 x 1200 LVDS, TTL	upto 10-Bit	3.3v 5v 12v 18v	DVI-D x1 VGA x1 HD/SD Component x2 Composite x2 S-Video x2	» OSD Buttons » IR Remote » RS-232	» PIP » HD/SD-SDI* » 12/24V DC Input
<b>ALR-1920</b> 108cm x 92cm		upto 1920 x 1200 LVDS	upto 8-Bit	3.3v 5v 12v 18v	HDMI x1 DisplayPort x1 VGA x1	» OSD Buttons » IR Remote » RS-232	» 12/24V DC Input
<b>SP-1600</b> 179cm x 120cm		upto 1600 x 1200 LVDS, TTL	upto 8-Bit	3.3v 5v 12v 18v	DVI-I x1 VGA x1 HD/SD Component x2 Composite x1 S-Video x1	» OSD Buttons » IR Remote » RS-232	» 12/24V DC Input
<b>DVS-1600</b> 142cm x 92cm		upto 1600 x 1200 LVDS, TTL	upto 8-Bit	3.3v 5v 12v 18v	DVI-D x1 VGA x1 Composite x1 S-Video x1	» OSD Buttons » IR Remote » RS-232	» 12/24V DC Input
<b>AVP-1600</b> 142cm x 92cm		upto 1600 x 1200 LVDS, TTL	upto 8-Bit	3.3v 5v 12v 18v	Composite x2 S-Video x2 or S-Video x1 Composite x4	» OSD Buttons » IR Remote » RS-232	» 12/24V DC Input
<b>ALR-1400</b> 108cm x 92cm		upto 1366 x 768 LVDS, TTL	upto 8-Bit	3.3v 5v 12v 18v	DVI-D x1 VGA x1	» OSD Buttons » RS-232	» 12/24V DC Input

\* Requires optional add-on board - see Accessories HD-1000, HD-2000, HD-3000

\*\* Requires add-on board PR-1200 or PR-2400

## Harsh Environment LCD Controller Range

Model	Photo	Panel Resolutions	Color	Panel Voltage	Input Signals	Command + Control	Other
<b>HX-1920</b> 179cm x 120cm		upto 1920 x 1200  LVDS	upto 10-Bit	3.3v 5v 12v 18v	HDMI x1 DVI-D x1 VGA x1 HD/SD Component x2 Composite x2 S-Video x2	» OSD Buttons » IR Remote » Ethernet » RS-232	» PiP » 3G/HD/SD-SDI* » Screen Marker » 12V DC Input
<b>HE-1600</b> 179cm x 120cm		upto 1600 x 1200  LVDS, TTL	upto 8-Bit	3.3v 5v 12v 18v	DVI-I x1 VGA x2 HD/SD Component x2 Composite x1 S-Video x1	» OSD Buttons » IR Remote » RS-232	» 12V DC Input
<b>HE-1400</b> 108cm x 92cm		upto 1366 x 768  LVDS, TTL	upto 8-Bit	3.3v 5v 12v	DVI-D x1 VGA x1	» OSD Buttons » RS-232	» 12V DC Input

\*Requires optional add-on board - see Accessories HD-1000, HD-2000, HD-3000



### Media Player Boards

Page 34



### Accessories

Page 40



### Integre Chassis

Page 44

# SGX-1920

Part No : 4172500xx-3



**The SGX-1920 is an advanced controller with dual digital input and an ideal compliment to the HD-3000 dual channel 3G-SDI input adaptor**

**Applications include:**

Broadcast video, Digital Signage, Medical imaging, Gaming systems.

**Features:**

- » 10-Bit, 1920 x 1200
- » RS-232 & Ethernet Command & Control
- » Dual Digital Picture-in-Picture

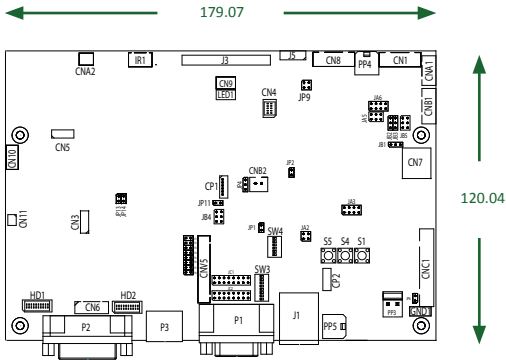
**Accessories:**

OSD Digital Button Board	Kit 60110-3
OSD Vertical Membrane	Kit 60121-3
OSD Horizontal Membrane	Kit 60125-3
Inverter Interface Board	P/N 416040010-3
Audio Amplifier	P/N 416940020-3
IR Remote Control	P/N 559000106-3

<b>HD-SDI Adaptors :</b>	
Single Channel (HD-1000)	P/N 4160134xx-3
Dual Channel (HD-2000)	P/N 4160133xx-3

<b>3G HD-SDI Adaptors :</b>	
Single Channel (HD-3000S)	P/N 4160164xx-3
Dual Channel (HD-3000)	P/N 4160160xx-3





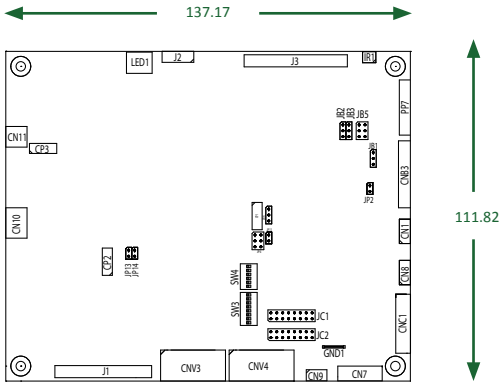
## For More Details

[digitalview.com/products/sgx-1920-lcd-controller](http://digitalview.com/products/sgx-1920-lcd-controller)

<b>Input Types:</b> Analog RGB, DVI, HDMI, Video
<b>Max Resolution:</b> 1920 X 1200
<b>Panel Signal:</b> Dual channel LVDS support
<b>Power:</b> +12VDC / +24VDC ±5%,10W
<b>RS-232 Support:</b> Yes
<b>Panel Power Support:</b> 3.3V, 5V, 12V & 18V panels
<b>Inverter Support:</b> DPMS Enable pin (3.3V or 5V)
<b>Color Depth:</b> 10-Bit
<b>MTBF:</b> 100k Hours
<b>RoHS compliant:</b> Yes
<b>Warranty:</b> 3 Years Manufacturer

<p><b>Analog RGB:</b> 60Hz at WUXGA, UXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA With auto detect of Digital Separate Sync, Sync-On-Green &amp; Composite Sync. Auto detects VGA-WUXGA, interlaced &amp; non-interlaced</p>														
<p><b>DVI-D / HDMI:</b> 60Hz at WUXGA, UXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA 480p, 576p, 720p, 1080i, 1080p</p>														
<p><b>Video:</b> NTSC/PAL/SECAM (Interlaced) Composite Video, S-video HD/SD Component (YPbPr / CbCr)</p>														
<p><b>Resolutions Supported</b></p> <table border="0"> <tr> <td>1920 x 1200</td> <td>1280 x 1024</td> </tr> <tr> <td>1920 x 1080</td> <td>1280 x 800</td> </tr> <tr> <td>1680 x 1050</td> <td>1280 x 768</td> </tr> <tr> <td>1600 x 1200</td> <td>1024 x 768</td> </tr> <tr> <td>1440 x 900</td> <td>800 x 600</td> </tr> <tr> <td>1366 x 768</td> <td>800 x 480</td> </tr> <tr> <td></td> <td>640 x 480</td> </tr> </table>	1920 x 1200	1280 x 1024	1920 x 1080	1280 x 800	1680 x 1050	1280 x 768	1600 x 1200	1024 x 768	1440 x 900	800 x 600	1366 x 768	800 x 480		640 x 480
1920 x 1200	1280 x 1024													
1920 x 1080	1280 x 800													
1680 x 1050	1280 x 768													
1600 x 1200	1024 x 768													
1440 x 900	800 x 600													
1366 x 768	800 x 480													
	640 x 480													





## For More Details

[digitalview.com/products/sgx-1920-lcd-controller](http://digitalview.com/products/sgx-1920-lcd-controller)

<b>Input Types:</b> Analog RGB, HDMI, Composite
<b>Max Resolution:</b> 1920 x 1200
<b>Panel Signal:</b> Dual channel LVDS support
<b>Power:</b> +12VDC ±5%,10W
<b>RS-232 Support:</b> Yes
<b>Panel Power Support:</b> 3.3V, 5V & 12V
<b>Inverter Support:</b> DPMS Enable pin (3.3V or 5V)
<b>Color Depth:</b> 10-Bit
<b>120 Hz Support Option:</b> IE-1000
<b>MTBF:</b> 100k Hours
<b>RoHS compliant:</b> Yes

<b>Input Analog RGB:</b> 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	
<b>Input HDMI:</b> 60Hz at WUXGA 75Hz at SXGA, WXGA, XGA, SVGA, VGA 1080p, 1080i, 720p, 576p, 480p	
<b>Input Composite:</b> NTSC/PAL/SECAM (Interlaced) Composite Video, S-video SD Component (YCbCr) HD Component (YPbPr)	
<b>Resolutions Supported</b>	
1920x1200	1280x1024
1920x1080	1280x768
1680x1050	1024x768
1600x1200	800x600
1440x900	800x480
1366x768	640x480
<b>Warranty:</b> 3 Years Manufacturers	



## SVX-1920

Part No : 4172100xx-3



**The SVX-1920 is a professional class High Definition controller supporting display modes up to 1080p on 1920x1200 resolution panels and can reproduce 1.06 billion colors**

### Applications include:

Broadcast video, Digital Signage, Medical imaging, Gaming systems.

### Features:

- » Full 10-bit panel support via HDMI, DVI-D and HD Component Inputs
- » Full screen image expansion of lower resolutions, on-screen PIP functions
- » OSD menu transparency, PIP - variable position, any input combinations (16 sizes)
- » Programmable hot keys, RS-232 Serial port protocol, Ambient light sensor control
- » Supports optional High-Definition Serial Digital Interface (HD-SDI)
- » Complete display management via Ethernet or RS-232

### Accessories:

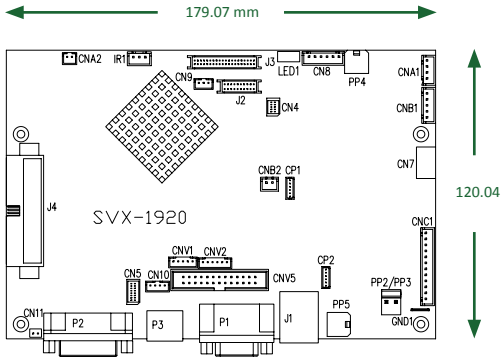
OSD Digital Button Board	Kit 60110-3
OSD Vertical Membrane	Kit 60121-3
OSD Horizontal Membrane	Kit 60125-3
Inverter Interface Board	P/N 416040010-3
Audio Amplifier	P/N 416940020-3
IR Remote Control	P/N 559000106-3
IE-1000	P/N 4171900xx-3

### HD-SDI Adaptors :

Single Channel (HD-1000)	P/N 4160134xx-3
Dual Channel (HD-2000)	P/N 4160133xx-3
HD-SDI to HDMI Adapter	P/N 4160167xx-3

### 3G HD-SDI Adaptors :

Single Channel (HD-3000S)	P/N 4160164xx-3
Dual Channel (HD-3000)	P/N 4160160xx-3



## For More Details

[digitalview.com/products/svx-1920-lcd-controller](http://digitalview.com/products/svx-1920-lcd-controller)

<b>Input Types:</b> Analog RGB, DVI-D, Video
<b>Max Resolution:</b> 1920 x 1200
<b>Panel Signal:</b> Dual channel TTL & LVDS
<b>Power:</b> 12V DC/24 V DC +/- 5%, 4W
<b>RS-232 Support:</b> Yes
<b>Panel Power Support:</b> 3.3V, 5V, 12V, 18V
<b>Inverter Support:</b> DPMS, Analog or PWM brightness control, serial port controller brightness
<b>Color Depth:</b> 10-Bit / 1.06 Billion Colors
<b>120 Hz Support Option:</b> IE-1000
<b>MTBF:</b> 100K hours
<b>RoHS compliant:</b> Yes

<b>Input Analog RGB:</b> 60 Hz at WUXGA, UXGA 75 Hz at SXGA, WXGA, XGA, SVGA, VGA
<b>Input DVI-D / HDMI:</b> 60 Hz at WUXGA, UXGA 75 Hz at SXGA, WXGA, XGA, SVGA, VGA
<b>Video:</b> NTSC/PAL/SECAM (Interlaced) Composite Video, S-Video, RGB Video, SD Component Video (YCbCr) HD Component Video (YPbPr)
<b>Resolutions Supported</b>
1920 x 1200                      1280 x 800
1920 x 1080                     1280 x 768
1680 x 1050                     1024 x 768
1600 x 1200                     800 x 600
1440 x 900                       800 x 480
1366 x 768                       640 x 480
1280 x 1024
<b>Warranty:</b> 3 Years Manufacturers

# SVH-1920+

Part No : 4171700xx-3



**The SVH-1920+ is a fully buffered, multi-sync interface controller providing direct analog and digital connection to a wide range of TFT LCD panels up to WUXGA (1920x1200)**

**Applications include:**

Broadcast video, Digital Signage, Medical imaging, Gaming systems.

**Features:**

- » Full screen image expansion of lower resolutions, On-Screen PIP
- » OSD Menu Transparency, PIP - Variable Position
- » Programmable Hot Keys, RS-232 Serial Port Protocol, Ambient Light Sensor Control
- » Supports Optional High-Definition Serial Digital Interface (HD-SDI)

**Accessories:**

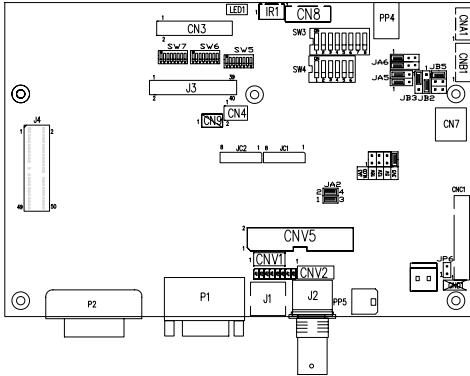
OSD Digital Button Board	Kit 60110-3
OSD Vertical Membrane	Kit 60121-3
OSD Horizontal Membrane	Kit 60125-3
Inverter Interface Board	P/N 416040010-3
Audio Amplifier	P/N 416940020-3

**HD-SDI Adaptors :**

Single Channel (HD-1000)	P/N 4160134xx-3
Dual Channel (HD-2000)	P/N 4160133xx-3
IR Remote Control	P/N 559000106-3



179.07 mm



120.04

### For More Details

[digitalview.com/products/svh-1920+-lcd-controller](http://digitalview.com/products/svh-1920+-lcd-controller)

<b>Input Types:</b> Analog RGB, DVI-D, Video
<b>Max Resolution:</b> 1920 x 1200
<b>Panel Signal:</b> Dual channel TTL & LVDS
<b>Power:</b> 12V DC/24 V DC +/- 5%
<b>RS-232 Support:</b> Yes
<b>Panel Power Support:</b> 3.3V, 5V, 12V, 18V
<b>Inverter Support:</b> DPMS Enable Pin (3.3v or 5v), Analog or PWM brightness control via serial port controller brightness
<b>Color Depth:</b> 10-Bit / 1.06 Billion Colors
<b>120 Hz Support Option:</b> IE-1000
<b>MTBF:</b> 100K hours
<b>RoHS compliant:</b> Yes

<b>Input Analog RGB:</b> 60 Hz at WUXGA, UXGA 75 Hz at SXGA, WXGA, XGA, SVGA, VGA														
<b>Input DVI-D:</b> 60 Hz at WUXGA, UXGA 75 Hz at SXGA, WXGA, XGA, SVGA, VGA														
<b>Video:</b> NTSC/PAL/SECAM (Interlaced)  Composite Video, S-Video, RGB Video, SD Component Video (YCbCr) HD Component (YPbPr)														
<b>Resolutions Supported</b>  <table border="0"> <tr> <td>1920 x 1200</td> <td>1280 x 800</td> </tr> <tr> <td>1920 x 1080</td> <td>1280 x 768</td> </tr> <tr> <td>1680 x 1050</td> <td>1024 x 768</td> </tr> <tr> <td>1600 x 1200</td> <td>800 x 600</td> </tr> <tr> <td>1440 x 900</td> <td>800 x 480</td> </tr> <tr> <td>1366 x 768</td> <td>640 x 480</td> </tr> <tr> <td>1280 x 1024</td> <td></td> </tr> </table>	1920 x 1200	1280 x 800	1920 x 1080	1280 x 768	1680 x 1050	1024 x 768	1600 x 1200	800 x 600	1440 x 900	800 x 480	1366 x 768	640 x 480	1280 x 1024	
1920 x 1200	1280 x 800													
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1680 x 1050	1024 x 768													
1600 x 1200	800 x 600													
1440 x 900	800 x 480													
1366 x 768	640 x 480													
1280 x 1024														
<b>Warranty:</b> 3 Years Manufacturer														

# ALR-1920

Part No : 4172700xx-3



**The ALR-1920 is the entry level controller for driving the panel up to 1920x1200 resolution. This controller supports HDMI, Analog RGB and DisplayPort input.**

**Applications include:**

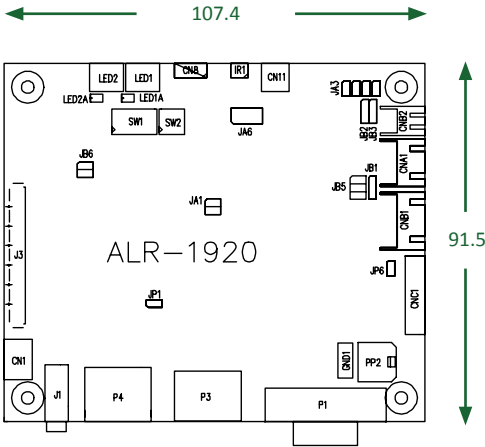
General display applications

**Features:**

- » Compact Design
- » Supports HDMI, ARGB & DisplayPort Inputs
- » 1080p 1920x1200 Resolution
- » Upscaling & Downscaling
- » RS-232 Command & Control

**Accessories:**

OSD Digital Button Board	Kit 67110-3	Inverter Interface board	P/N 416040010-3
OSD Vertical Membrane	Kit 67134-3	IR Remote Control	P/N 559000106-3
OSD Horizontal Membrane	Kit 67135-3		



## For More Details

[digitalview.com/products/alr-1920-lcd-controller](http://digitalview.com/products/alr-1920-lcd-controller)

<b>Input Types:</b> DisplayPort, HDMI, Analog RGB
<b>Max Resolution:</b> 1920 x 1200
<b>Panel Signal:</b> LVDS
<b>Power:</b> +12V/+24VDC ±5%, 4W
<b>Panel Power Support:</b> 3.3V, 5V, 12V & 18V panels
<b>Inverter Support:</b> DPMS Enable pin (5V or 12/24V)
<b>MTBF:</b> 200,000 hours
<b>RoHS compliant:</b> Yes
<b>Warranty:</b> 3 Years Manufacturer

<b>Analog RGB:</b> 60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA.	
<b>HDMI 1.3:</b> 60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA 1080p, 1080i, 720p, 576p, 480p	
<b>DisplayPort 1.1a:</b> 60Hz at WUXGA, UXGA, SXGA, WXGA, XGA, SVGA, VGA, 1080p, 1080i, 720p, 576p, 480p	
<b>Resolutions Supported :</b>	
1920x1200	1280x768
1920x1080	1024x768
1680x1050	1024x600
1600x1200	800x600
1440x900	800x480
1366x768	640x480
1280x1024	480x640
1280x800	

# SP-1600

Part No : 4169900xx-3



**The SP-1600 is a fully buffered, multi-sync interface controller providing direct analog and digital connection to a wide range of TFT LCD panels up UXGA resolution (1600 x 1200).**

**Applications include:**

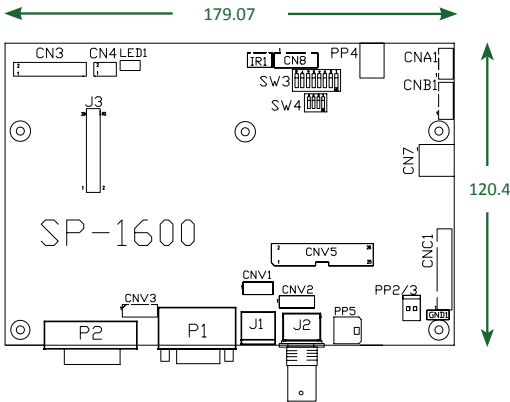
General purpose display integration (15.4" - 40"), legacy and current SUN compatible display design. Great for demanding 3D graphics. Customizeable with exceptional flexibility.

**Features:**

- » Inputs for DVI, Dual ARGB channels, Composite, S-Video, Component Video
- » Supports a wide variety of 4:3 & 16:9 format panels
- » Built-in TTL & LVDS support
- » Auto Picture Setup, Auto Color Gain, Auto Source Seek, OSD Menu Timeout, Gamma Adjustment, Color Temperature, Programmable Hot-Keys

**Accessories:**

OSD Digital Button Board	Kit 60110-3	Audio Amplifier	P/N 416940020-3
OSD Vertical Membrane	Kit 60121-3	IR Remote Control	P/N 559000106-3
OSD Horizontal Membrane	Kit 60125-3		
Inverter Interface Board	P/N 416040010-3		



## For More Details

[digitalview.com/products/sp-1600-lcd-controller](http://digitalview.com/products/sp-1600-lcd-controller)

<b>Input Types:</b> Analog RGB, DVI-I, Video
<b>Max Resolution:</b> 1600 x 1200
<b>Panel Signal:</b> TTL (single pixel) & LVDS
<b>Power:</b> 12v / 24v DC +/- 5%, 4W
<b>RS-232 Support:</b> Yes
<b>Panel Power Support:</b> 3.3v, 5v, 12v, 18v
<b>Inverter Support:</b> DPMS enable pin (5v or 12v/24v), Analog Control via Serial Port Control Brightness
<b>Color Depth:</b> 8-Bit/16.7M colors
<b>MTBF:</b> 100K hours
<b>RoHS compliant:</b> Yes
<b>Warranty:</b> 3 Year Manufacturer's

<b>Input Analog RGB:</b>	
60 Hz at UXGA	
75 Hz at SXGA, WXGA, XGA, SVGA, VGA	
66 Hz, 76 Hz at 1152 x 900 (SUN)	
76 Hz at 1280 x 1024 (SUN)	
<b>Input DVI-I:</b>	
60 Hz at UXGA, SXGA, WXGA, XGA, SVGA, VGA	
75 Hz at SXGA, WXGA, XGA, SVGA, VGA	
<b>Video:</b>	
NTSC/PAL/SECAM (Interlaced)	
Composite Video, S-Video, RGB Video, SD Component Video (YCbCr), Component Video (YPbPr)	
<b>Resolutions Supported:</b>	
1680 x 1050	1280 x 1024
1600 x 1200	1280 x 800
1440 x 900	1280 x 768
1400 x 1050	1024 x 768
1366 x 768	800 x 600
	640 x 480



# DVS-1600

Part No : 4171400xx-3



**The DVS-1600 is a cost effective, highly integrated controller for a wide range of TFT LCD panels up to UXGA (1600 x 1200) resolution.**

**Applications include:**

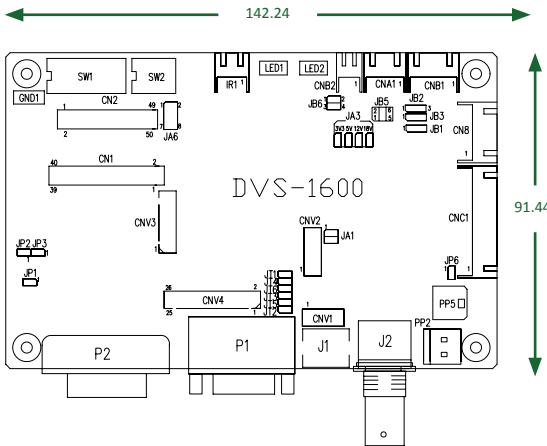
General purpose multimedia display integration, standard definition digital signage.

**Features:**

- » Inputs for DVI-D, ARGB, 1 x Composite, 1 x S-Video
- » Supports wide variety of 4:3, 5:4, 16:9 and 16:10 format panels
- » Built-in TTL & LVDS support
- » Auto Setup, Auto RGB Calibration, Auto Source Seek, Gamma Adjustment, OSD Position, Input Source Select

**Accessories:**

OSD Digital Button Board	Kit 60110-3	Audio Amplifier	P/N 416940020-3
OSD Vertical Membrane	Kit 60121-3	IR Remote Control	P/N 559000106-3
OSD Horizontal Membrane	Kit 60125-3		
Inverter Interface Board	P/N 416040010-3		



**For More Details**  
[digitalview.com/products/dvs-1600-lcd-controller](http://digitalview.com/products/dvs-1600-lcd-controller)

<b>Input Types:</b> Analog RGB, DVI-D, Video
<b>Max Resolution:</b> 1600 x 1200
<b>Panel Signal:</b> TTL (single pixel) & LVDS
<b>Power:</b> 12V/24V DC +/- 5%, 4W
<b>RS-232 Support:</b> Yes
<b>Panel Power Support:</b> 3.3V, 5V, 12V, 18V
<b>Inverter Support:</b> DPMS enable pin (3.3 V or 5V)
<b>Color Depth:</b> 8-Bit/16.7M colors
<b>MTBF:</b> 260K hours
<b>RoHS compliant:</b> Yes
<b>Warranty:</b> 3 Year Manufacturer's

<b>Input Analog RGB:</b>	
60 Hz at UXGA	
60 Hz at SXGA, WXGA, XGA, SVGA, VGA	
<b>Input DVI-D:</b>	
60 Hz at UXGA	
60 Hz at SXGA, WXGA, XGA, SVGA, VGA	
<b>Video:</b> NTSC/PAL/SECAM (Interlaced) Composite Video, S-video	
<b>Resolutions Supported:</b>	
1680 x 1050	1280 x 800
1600 x 1200	1280 x 768
1440 x 900	1024 x 768
1400 x 1050	800 x 600
1366 x 768	800 x 480
1280 x 1024	640 x 480

# AVP-1600

Part No : 4172200xx-3



**The AVP-1600 is a compact, easy to use high quality Composite and S-Video input video interface for LCD panels up to UXGA 1600 x 1200 resolution.**

**Applications include:**

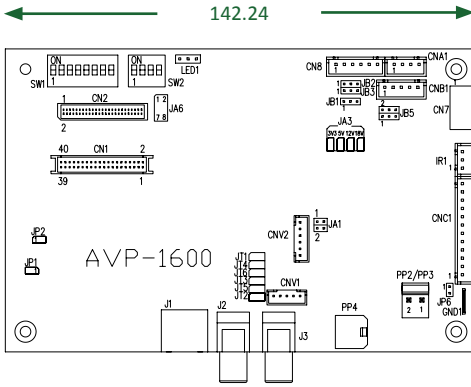
Video surveillance, exploratory medical equipment, industrial.

**Features:**

- » Four NTSC/PAL/SECAM inputs. Two via external RCA jacks, two via header connection
- » System information, run-time counter, OSD menu position, audio control, power down option, user setting, OSD menu position, gamma adjustment, saturation, Hue
- » Function Controls: Buttons, Infrared, RS-232 serial protocol

**Accessories:**

OSD Digital Button Board	Kit 60110-3	Audio Amplifier	P/N 416940020-3
OSD Vertical Membrane	Kit 60121-3	IR Remote Control	P/N 599000106-3
OSD Horizontal Membrane	Kit 60125-3		
Inverter Interface Board	P/N 416040010-3		



142.24

91.44

### For More Details

[digitalview.com/products/avp-1600-lcd-controller](http://digitalview.com/products/avp-1600-lcd-controller)

<b>Input Types:</b> Composite, S-Video
<b>Max Resolution:</b> 1600 x 1200
<b>Panel Signal:</b> TTL (single pixel) & LVDS
<b>Power:</b> 12v 24v DC ±5%
<b>Panel Power Support:</b> 3.3v, 5v, 12v, 18v
<b>Inverter Support:</b> DPMS enable pin (3.3v or 5v)
<b>MTBF:</b> 260K hours
<b>RoHS compliant:</b> Yes
<b>Warranty:</b> 3 Years Manufacturer

<b>Video:</b> NTSC/PAL/SECAM (Interlaced)	
Jumper Selectable (A) 2x Composite Video & 2x S-Video (B) 4x Composite Video & 1x S-Video	
<b>Resolutions Supported:</b>	
1680 x 1050	1280 x 800
1600 x 1200	1280 x 768
1400 x 1050	1024 x 768
1400 x 900	800 x 600
1366 x 768	800 x 480
1280 x 1024	640 x 480