DIGITAL VIEW®

Product Information Guide v2

LCD CONTROLLERS

Table of Contents

REFERENCE

Section Introductions	2
About Digital View	3
Applications Overview	4
System Application Requirements	5
Custom Engineering Services	6
Online Resources - The Controller Solution Generator	7
Digital View Controller Comparison	8

PERFORMANCE + FLEXIBILITY CONTROLLERS

Model	ARGB	DVI	COMPOSITE	S-VIDEO	COMPONENT	HDMI	
AVP-1600			√	√			10
ALR-1400	√	√					12
DVS-1600	√	√	√	√			14
SP-1600	√	√	√	√	√		16

HI-RESOLUTION CONTROLLERS

Model	ARGB	DVI	COMPOSITE	S-VIDEO	COMPONENT	HDMI	
SVX-1920	√	√	√	√	√	√	18
SVH-1920	√	√	√	√	√		20
DVI-2560		√					22

HARSH ENVIRONMENT CONTROLLERS

Model	ARGB	DVI	COMPOSITE	S-VIDEO	COMPONENT	HDMI	
HE-1920	√	√	√	√	√		24
HE-1600	√	√	√	√	√		26
HE-1400	√	√					28

ACCESSORIES

Introduction / System Network Solution Monitoring	30
Broadcast / Pro Video Signal Inputs + Sensors + Audio	31
OSD Control Buttons / User Interface	32
Power + Other Accessories	33
Panel Cable Reference Table	34

SOLID STATE MEDIA PLAYERS

Media Systems Overview	36
ViewStream	37
Networkable Players	38
Video Flyers	39

Using The Guide

Performance + Flexibility

The core of our LCD controller family, supporting a wide range of inputs and resolutions upto UXGA, the Performance + Flexibility products include the ALR-1400, the AVP-1600, DVS-1600 & SP-1600. The ALR offers DVI & ARGB only, the AVP offers Composite & S-Video only, the DVS offers a combination of both, whilst the SP-1600 adds Component input to the mix. The products support multiple panel timings and select between different displays with onboard jumper settings. They all support RS-232 OSD menu control and are offered with 3 year warranty.

Hi-Resolution Controllers

The high resolution DVI-2560, SVH-1920 and SVX-1920 not only support resolutions upto WQXGA (2560x1600) - making them suitable for 1080P HD requirements - but they are also packed with high end display control features that enable a range of applications in the broadcast, medical, industrial and military sectors . These include control features such as image flip, freeze & zoom functions, text overlay, onboard ethernet, 10 bit panel support - and with extension boards HD-SDI, 3G input and 120Hz panel refresh. The products are offered with a 3 year warranty.

Harsh Environment Controllers

Designed for use in the very toughest of industrial and military environments - Digital View produces a parallel range of Harsh Environment (HE) controllers. The HE-1400, HE-1600 & HE-1920 mirror all the features of the standard controller product range, but offer the additional features of -40 to +80 degrees C operating temperature, conformal coatings and vibration resistance.

Controller Accessories

Digital View provides a comprehensive range of accessories to complement our controllers. We provide solutions to enhance user interface, aid in remote problem solving, enable system differentiation and customization. Our boards are just one component in a kit of parts that Digital View supplies to ensure that you get the most from your chosen LCD panel and deliver a premium set of features for your display product.

Solid State Media Players

Alongside our core LCD interface product range - Digital View also supplies a range of commercial grade solid state media players. These media player products are used to deliver reliable and robust digital video playback in digital signage, retail media, digital merchandising, way finding and museum applications. The products are built on the same industrial component and high feature-set principles that underpin the Digital View LCD controller range.

These fanless media players support MPEG, DivX, WMV & AVI media file formats upto 1080P/60 HD output. They offer USB content update, interactivity, RS-232 control, scheduled media playback and are supplied with a free content management software - 'DV-Studio'. The top-of-the-range RP-500 player also offers a turnkey networking solution for digital signage applications.

The media players are supplied as OEM boards - for integrators to build their own digital media solutions - as encased players (the Viewstream Range) and as integrated 'professional picture frame' combinations (the Videoflyer Range)

Digital View

Established in 1995, Digital View is the display industry's foremost supplier of interface controller solutions for application specific markets. Primarily addressing LCD displays, Digital View controller boards and accessories enable the use of graphic type LCD's for both new and innovative products as well as legacy systems. Global sales are supported by regional offices in America, Europe, and Asia underpinned by quality and service oriented technical support, operations, engineering, and supply chain.

Our customers make incredible products addressing a diverse range of applications that include:

Rugged / Industrial Displays
Mobile Military Displays
Avionics Systems – Rotor and Fixed Wing
Video Broadcast / Studio Systems
Marine Information and Entertainment Systems
Retail and Outdoor Digital Signage

Why Digital View...

Take advantage of over 'hundreds of man years' of experience, with 13 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.

Applications Overview

Digital View Controllers Meet Application Objectives

Digital View's comprehensive Controller range offers:

- High Resolution, Harsh Environment, or Performance + Flexibility categories
- Long-life cycle products
- High Mean Time Between Failure (MTBF) ratings
- Support for most common panels/inputs/resolutions
- Customizable to meet specific new or legacy requirements
- Remote display management and validation
- Accessories that enhance monitor design and functionality

Customer LCD Monitor Design Criteria

The following criteria will help you decide the controller to select (from lower to higher value):

1. Size of panel
2. Resolution of panel
3. Panel characteristics
4. Controls
5. Temperature/environmental specs
6. Advanced features
7. Product uniformity/consistency
8. Legacy support
9. Interchangeable across multiple platforms
10. High reliability/low support costs
11. Provides your enterprise a competitive advantage

The following Application Keywords may indicate a need for Digital View Controllers:

- Legacy
- Sync-on-Green (SOG)
- Camera
- Exploratory
- Widescreen
- SUN
- Video
- Harsh Environment
- High Definition (HD)
- Broadcast
- Remote
- Surveillance
- Rugged
- Monitor
- HDMI
- Reliable

System Application Requirements

To help define/recommend a complete LCD display solution with a Digital View Controller, please copy and use this checklist.

Application Requirements:

- ☐ Indoor
- ☐ Outdoor
- ☐ Both
- ☐ Mobile/Vehicle
- ☐ Marine
- ☐ NEMA Rating:
- ☐ High Temp
- ☐ Low Temp
- ☐ Direct Sunlight
- ☐ NVIS (Night Vision)

Panel Size / Orientation

Panel Size: _____ in

Resolution: _____ x _____ ☐ Portrait ☐ Landscape

Manufacturer: _____ Model: _____

Panel Characteristics:

Contrast: _____:1 Brightness _____nits Viewing Angle _____

Backlight Type: ☐ CCFL ☐ LED Backlight

Backlight Driver Needed? ☐ Yes ☐ No

Panel Input ☐ TTL ☐ LVDS ☐ TMDS ☐ other

Signal Inputs:

- ☐ DVI _____
- ☐ VGA _____
- ☐ HD-SDI _____
- ☐ Composite _____
- ☐ NTSC
- ☐ PAL
- ☐ SECAM
- ☐ SD Component
- ☐ S-Video
- ☐ HD Component
- ☐ HDMI
- ☐ PIP (Picture-in-Picture)
- ☐ Audio
- ☐ Other _____

Special Functions / Accessories:

- ☐ Power Supply
- ☐ Panel Cable
- ☐ Display Management
- ☐ Ambient Light Sensor
- ☐ Temperature Sensor
- ☐ Remote Control
- ☐ OSD Kit

Will RS-232 Serial Protocol commands be used to manage display settings & operation (YES / NO)

***Note**: All Digital View Controllers support the following industry signals: Sync on Green, Separate H/V. Composite Sync, RS-170

Digital View Custom Engineering Services

Contract Manufacturing & Specialist Monitor Solutions :

Digital View also undertakes the production of complete LCD monitor products on behalf of its customers. Whether this be the design of specialist customized monitor solutions, one-off large scale projects or ongoing regular production - Digital View combines its LCD expertise, its supply chain resources and its access to flexible production capacity to deliver a cost-effective quality LCD monitor manufacturing service.

The Contract Division helps strategic partners' growth by providing ODM/OEM solutions with high performance digital display systems to enable customers to deliver consistent and quality product. Digital View's full vertical integration offers design, tooling, plastics, metals, PCBs, assembly and test services. Undertaken in our Hong Kong facilities, Digital View is able to offer high quality, cost-competitive manufacturing across both small and large production runs.

- Batch Size range from single piece to thousands of units
- New product planning and project management
- Design Verification and validation
- Advanced components integration
- Dedicated Engineering Support Team
- Systematic Engineering change control
- Global supply chain and procurement reach






Specialist Monitor Solutions

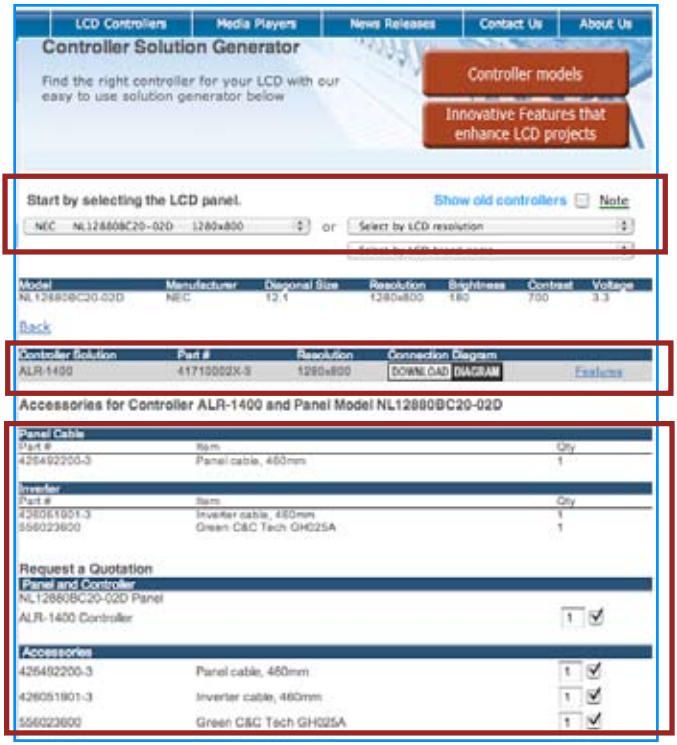
Digital View's Specialist Monitor Solutions help strategic partners' growth by providing ODM/OEM solutions with high performance digital display systems to meet the specialist market needs. DV's full vertical integration offers design, tooling, plastics, metals, PCB, assembly, and test services. Unique services and strategic offerings include:

- Complex and diverse business volumes and product mix
- Batch size range from single piece to thousands of units
- New product planning and project management
- Design verification and validation
- Advanced components integration
- Dedicated Engineering Support Team
- Systematic engineering change control
- Global supply chain and procurement reach

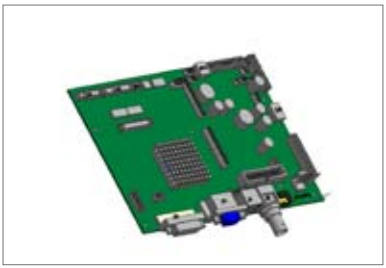
Digital View Online Resources

Digital View's website contains valuable detailed product solution information.

The most frequently visited page on our website, the **Controller Solution Generator (CSG)** provides everything you need for optimal and complete Controller/Panel solutions. **http://www.digitalview.com/controllers/csg.php**

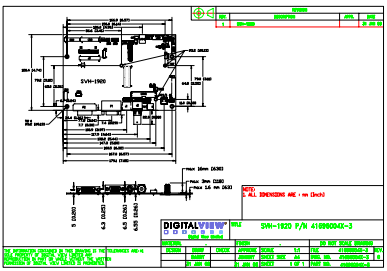


1. Select LCD Panel to be used. Results for compatible controllers are given.
2. Select Controller to use.
3. A Controller solution is provided with Diagram, Panel Cable, Inverter, Inverter Cable, Accessories.



ProE (SLDPRT) Format Drawings

Useful for customers to do display system design and speed-up the volumetric analysis process. Located under "Features" tab at the "LCD Controller" section.



Mechanical Drawings

Drawings for specification reference on the Controllers, the specific Connectors, and various Accessories. Located under "Mechanical" tab at the "LCD Controller" section and the "Accessories" data sheets.

Digital View Controller Comparison

		Performance + Flexibility			
		AVP-1600	ALR-1400	DVS-1600	SP-1600
PANEL RESOLUTION	VGA (640 x 480)	√	√	√	√
	WVGA (800 x 480)	√	√	√	√
	SVGA (800 x 600)	√	√	√	√
	WSVGA (1024 x 600)	√	√	√	√
	XGA (1024 x 768)	√	√	√	√
	SXGA (1280 x 1024)	√	√	√	√
	WXGA (1366 x 768, 1280 x 768)	√	√	√	√
	SXGA+ (1400 x 1050)	√	√	√	√
	WXGA (1280 x 800, 1440 x 900)	√	√	√	√
	UXGA (1600x1200)	√		√	√
	WUXGA (1920x1200)				
INPUTS	ARGB (15 Pin VGA)		√	√	√
	DVI Input		DVI-D	DVI-D	DVI-I
	PAL / NTSC / SECAM	√		√	√
	Composite Video Input	√ x4		√	√
	S-Video - Y/C	√ x2		√	√
	HD Component YPbPr				√
	SD Component Video YCbCr				√
	HD-SDI - SMPTE259M, 4.2.2				
	HDMI 1.3				
	3G HD-SDI 424M 4.4.4				
FEATURES	Image Up-Scaling	√	√	√	√
	Image Down-Scaling	√	√	√	√
	Multi-panel Support	√	√	√	√
	Infra-Red Remote Control	√		√	√
	Picture In Picture				
	Memory Buffer				√
	Sync On Green/Composite Sync		√	√	√
	DV RS-232 Serial Protocol	√	√	√	√
	Graphic Image Flip (H & V)				
	Text Overlay Function				
	Variable Aspect				√
	Freeze & Zoom Function				
	Programmable Hot Keys				√
	TTL Panel Interface	√	√	√	√
	LVDS Panel Interface	√	√	√	√
	Firmware Upgrade Via RS-232	√	√	√	√
	Input Power Range @ 12V	12v±5%	12v±5%	12v±5%	12v±5%
	Input Power Range @ 24V	24v ±5%	24v ±5%	24v ±5%	24v ±5%
	Operating Temperature (°C)	0-60°C	0-60°C	0-60°C	0-60°C
	Conformal Coating	Option	See HE-1400	Option	See HE-1600
	Vibration Resistant	Option	See HE-1400	Option	See HE-1600
	3-Year Digital View Warranty	√	√	√	√
	ROHS Compliant	√	√	√	√





















Digital View Controller Comparison

		HIGH RESOLUTION			HARSH ENVIRONMENT		
		SVX-1920	SVH-1920	DVI-2560	HE-1920	HE-1600	HE-1400
PANEL RESOLUTION	VGA (640 x 480)	√	√		√	√	√
	WVGA (800 x 480)	√	√		√	√	√
	SVGA (800 x 600)	√	√		√	√	√
	XGA (1024 x 768)	√	√		√	√	√
	SXGA (1280 x 1024)	√	√		√	√	√
	WXGA (1366 x 768)	√	√		√	√	√
	SXGA+ (1400 x 1050)	√	√		√	√	√
	WXGA (1280 x 800, 1440 x 900)	√	√		√	√	√
	UXGA (1600x1200)	√	√		√	√	
	WUXGA (1920x1200)	√	√		√		
	WQXGA (2560 x 1600)			√			
INPUTS	ARGB (15 Pin VGA)	√	√		√	√	√
	DVI Input	DVI-D	DVI-D	DUAL DVI	DVI-D	DVI-I	DVI-D
	PAL / NTSC / SECAM	√	√		√	√	
	Composite Video Input	√	√		√	√	
	S-Video - Y/C	√	√		√	√	
	HD Component YPbPr	√	√		√	√	
	SD Component Video YCbCr	√	√		√	√	
	HD-SDI - SMPTE259M, 4.2.2	Option	Option		Option		
	HDMI 1.3	√					
	3G HD-SDI 424M 4.4.4	Option					
FEATURES	Image Up-Scaling	√	√		√	√	√
	Image Down-Scaling	√	√		√	√	√
	Multi-panel Support	√	√	√	√	√	√
	Infra-Red Remote Control	√	√		√	√	
	Picture In Picture	√	√		√		
	Memory Buffer	√	√		√	√	
	Sync On Green/Composite	√	√		√	√	√
	DV RS-232 Serial Protocol	√	√		√	√	√
	Graphic Image Flip (H & V)		√		√		
	Text Overlay Function	√	√		√		
	Variable Aspect	√	√		√	√	
	Freeze & Zoom Function	√	√		√		
	Programmable Hot Keys	√	√		√	√	
	TTL Panel Interface		√		√	√	√
	LVDS Panel Interface	√	√	√	√	√	√
	BIOS Upgrade Via RS-232	√	√		√	√	√
	Input Power Range @ 12V	12v±5%	12v±5%	N/A	12v±25%	12v±25%	12v±25%
	Input Power Range @ 24V	24v ±5%	24v ±5%	24v ±5%	N/A	N/A	N/A
	Operating Temperature (°C)	0-60°C	0-60°C	0-60°C	-40-80°C	-40-80°C	-40-80°C
	Conformal Coating	Option	See HE-1920	N/A	√	√	√
	Vibration Resistant	Option	See HE-1920	N/A	√	√	√
	3-Year Digital View Warranty	√	√	√	√	√	√
	ROHS Compliant	√	√	√	√	√	√

Dedicated Video

AVP-1600

P/N: 4168400xx-3



The ALR-1400 is a compact, easy to use high quality Composite and S-Video input video interface for LCD panels up to UXGA 1600x1200 resolution.

Applications include:

Video surveillance, exploratory medical equipment, industrial.

Features:

• Four NTSC/PAL/SECAM inputs. Two via external RCA jacks, two via header connection

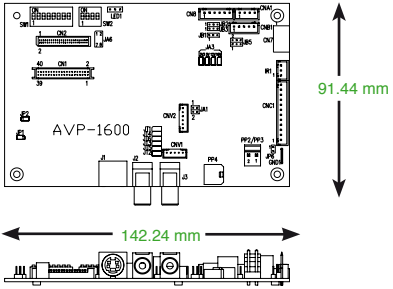
• System information, run-time counter, OSD menu position, audio control, power down option, user setting, OSD menu position, gamma adjustment, saturation, Hue

• Function Controls: Buttons, Infrared, RS-232 serial protocol

Accessories/Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable Kit	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3
• IR Remote Control	P/N 559000104-3

AVP-1600 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

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

Video:
NTSC/PAL/SECAM (Interlaced)

Jumper Selectable
(A) 2x Composite Video & 2x S-Video;
(B) 2x Composite Video

Resolutions Supported:
1600 x 1200
1680 x 1050
1400 x 1050
1400 x 900
1366 x 768

1280 x 1024
1280 x 800
1280 x 768
1024 x 768

800 x 600
800 x 480
640 x 480

General Purpose / Small Form Factor

ALR-1400

P/N: 4171000xx-3



The ALR-1400 is a small footprint, highly integrated controller with both Analog RGB and DVI-D inputs.

Applications include:

General purpose display integration, portable test equipment, mobile computing.

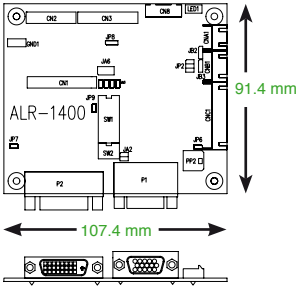
Features:

- Small footprint, high value
- Supports 4:3 format panels up to SXGA, 16:9 format panels up to WXGA
- Built-in LVDS support
- Dual or single pixel TTL interfaces
- Auto Setup, Auto RGB calibration, Auto source seek, Gamma Adjustment, OSD position, Input Source Select

Accessories/Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable	P/N 426090200-3
• RS-232 Cable	P/N 426090200-3

ALR-1400 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types: Analog RGB, DVI-D
Max Resolution: 1366 x 768
Panel Signal: TTL & LVDS
Power: 12V/24V DC +/- 5%, 4W
RS-232 Support: Yes
Panel Power Support: 3.3V, 5V, 12V, 18V
Inverter Support: DPMS enable pin (5v or 12v / 24v), Analog control via serial port controller brightness
Color Depth: 8-Bit/16.7M colors
MTBF: 200K hours
RoHS compliant: Yes
Warranty: 3 Year Manufacturer's

Input Analog RGB: 60 Hz at SXGA, WXGA, XGA, SVGA, VGA
Input DVI-D: 60 Hz at SXGA, WXGA, XGA, SVGA, VGA
Resolutions Supported: 1366 x768 1280 x 1024 1280 x 800 1280 x 768 1024 x 768 1024 x 600 800 x 600 800 x 480 640 x 480

General Purpose / Multimedia / Low Cost

DVS-1600

P/N: 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.

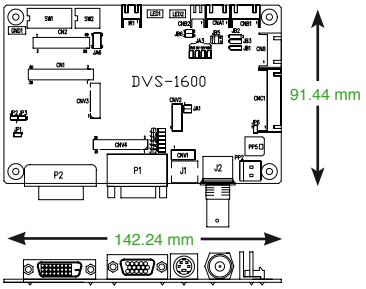
Features:

- Inputs for DVI-D, VGA, 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/Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3

DVS-1600 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types: Analog RGB, DVI-D, Video

Max Resolution: 1600 x 1200

Panel Signal: TTL (single pixel) & LVDS

Power: 12V/24V DC +/- 5%, 4W

RS-232 Support: Yes

Panel Power Support:
3.3V, 5V, 12V, 18V

Inverter Support: DPMS enable pin (3.3 V or 5V)

Color Depth: 8-Bit/16.7M colors

MTBF: 260K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:
60 Hz at UXGA
60 Hz at SXGA, WXGA, XGA, SVGA, VGA

Input DVI-D:
60 Hz at UXGA
60 Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
NTSC/PAL/SECAM (Interlaced)
Composite Video, S-video

Resolutions Supported:
1600 x 1200
1680 x 1050

1440 x 900
1400 x 1050

1366 x 768

1280 x 1024
1280 x 800
1280 x 768

1024 x 768

800 x 600
800 x 480

640 x 480

General Purpose / High Quality Video Display

SP-1600

P/N: 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.

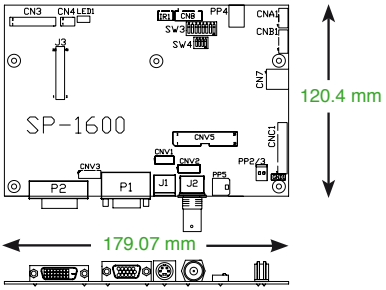
Features:

- Inputs for DVI, dual VGA 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/Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3
• IR Remote Control	P/N 559000104-3

SP-1600 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types: Analog RGB, DVI-I, Video

Max Resolution: 1600 x 1200

Panel Signal:
TTL (single pixel) & LVDS

Power: 12v / 24v DC +/- 5%, 4W

RS-232 Support: Yes

Panel Power Support:
3.3v, 5v, 12v, 18v

Inverter Support: DPMS enable pin (3.3v or 5v), Analog Control via Serial Port Control Brightness

Color Depth: 8-Bit/16.7M colors

MTBF: 100K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:
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)

Input DVI-I:
60 Hz at UXGA, SXGA, WXGA, XGA, SVGA, VGA

75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
NTSC/PAL/SECAM (Interlaced)

Composite Video, S-Video, RGB Video, SD Component Video (YCbCr), Component Video (YPbPr)

Resolutions Supported:
1680 x 1050
1600 x 1200

1440 x 900
1400 x 1050

1366 x 768

1280 x 1024
1280 x 800
1280 x 768

1024 x 768

800 x 600

640 x 480

Professional Video / Broadcast Video

SVX-1920

P/N: 4122100xx-3



The SVX-1920 is a professional class High Definition controller supporting display modes up to 1080p on 1920x1200 resolution panels. The SVX-1920 can reproduce 1.07 Billion Colors by virtue of its full 10-bit architecture

Applications include:

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

Features:

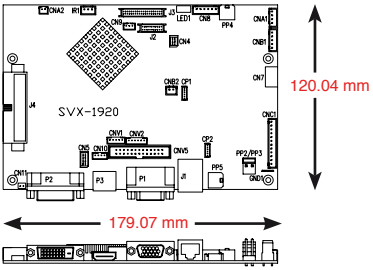
- Full 10-bit panel support via HDMI, DVI-D and HD Component Inputs delivers over 1 billion colors
- Full screen image expansion of lower resolutions, on-screen PIP functions
- OSD menu transparency, PIP - variable position, any input combinations (16 sizes)
- Programmable hot keys, RS-232 Serial port protocol, Ambient light sensor control
- Supports optional High-Definition Serial Digital Interface (HD-SDI) for professional and broadcast video applications
- Complete display management via Ethernet or RS-232

Accessories/Options:

- HD-SDI Adaptor Boards (HD-3000)
  HD-3000 3Gbps SMPTE 424M P/N 4160160XX-3

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3
• IR Remote Control	P/N 559000104-3
• IE-1000	P/N 4171900xx-3

SVX-1920 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types:
Analog RGB, DVI-D, Video

Max Resolution: 1920 x 1200

Panel Signal:
Dual channel TTL & LVDS

Power:
12V DC/24 V DC +/- 5%, 4W

RS-232 Support: Yes

Panel Power Support:
3.3V, 5V, 12V, 18V

Inverter Support:
DPMS, Analog or PWM brightness control, serial port controller brightness

Color Depth:
10-Bit / 1.06 Billion Colors

10-Bit/ 120 Hz Support Option:
IE-1000

MTBF: 100K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:
60 Hz at WUXGA, UXGA
75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Input DVI-D / HDMI:
60 Hz at WUXGA, UXGA
75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
NTSC/PAL/SECAM (Interlaced)

Composite Video, S-Video, RGB Video, SD Component Video (YCbCr)
HD Component Video (YPbPr)

Resolutions Supported:
1920 x 1200
1920 x 1080

1680 x 1050
1600 x 1200

1440 x 900

1366 x 768

1280 x 1024
1280 x 800
1280 x 768

1024 x 768

800 x 600, 800 x 480

640 x 480

Professional Video / Broadcast Video

SVH-1920

P/N: 4169600xx-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:

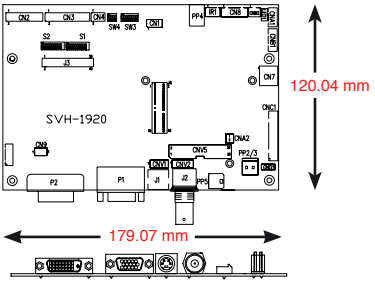
- Full screen image expansion of lower resolutions, image flip and invert function, on-screen PIP functions
- OSD menu transparency, Horizontal & Vertical image inversion, PIP - variable position, any input combinations (3 sizes)
- Programmable hot keys, RS-232 Serial port protocol, Ambient light sensor control
- Supports optional High-Definition Serial Digital Interface (HD-SDI) for professional and broadcast video applications

Accessories/Options:

- HD-SDI Adaptor Boards (HD-2000/1000)
  HD-2000 - P/N 4160133xx-3 / **HD-1000** P/N 4160134xx-3

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3
• IR Remote Control	P/N 559000104-3
• IE-1000 120Hz Adapter	P/N 4171900xx-3

SVH-1920 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types:
Analog RGB, DVI-D, Video

Max Resolution: 1920 x 1200

Panel Signal:
Dual channel TTL & LVDS

Power:
12V DC/24 V DC +/- 5%

RS-232 Support: Yes

Panel Power Support:
3.3V, 5V, 12V, 18V

Inverter Support:
DPMS Enable Pin (3.3v or 5v), Analog or PWM brightness control via serial port controller brightness

Color Depth: 8-Bit/16.7M colors

120 Hz Support Option:
IE-1000

MTBF: 100K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:
60 Hz at WUXGA, UXGA
75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Input DVI-D:
60 Hz at WUXGA, UXGA
75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
NTSC/PAL/SECAM (Interlaced)

Composite Video, S-Video, RGB Video, SD Component Video (YCbCr)
HD Component (YPbPr)

Resolutions Supported:
1920 x 1200
1920 x 1080

1680 x 1050
1600 x 1200

1440 x 900

1366 x 768

1280 x 1024
1280 x 800
1280 x 768

1024 x 768

800 x 600, 800 x 480

640 x 480

High Resolution Applications

DVI-2560

P/N: 417130020-3



The DVI-2560 is a purpose built, high-performance dual-channel DVI interface controller, capable of driving WQXGA (2560 x 1600) LCD panels from Samsung and LG.

Applications include:

High resolution applications - digital Topography, Navigation, Photography & Gallery, Education.

Features:

- Operating from a single 24 volt power supply, the controller derives all necessary voltages for:

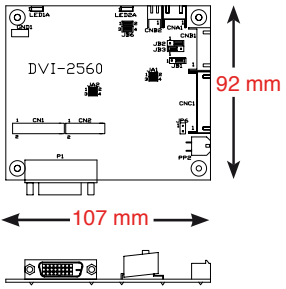
  - the controller
  - the panel
  - inverter operation

- TMDS panel interface

Accessories / Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable	P/N 416013700-3

DVI-2560 Specifications



Looking for a panel cable?
Page 34 / 35
www.digitalview.com/controllers/csg.php

Hi-Resolution Mechanical Drawings
Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types: Dual channel DVI-D
Resolution: 2560 x 1600
Panel Signal: TMDS
Power: 24V DC, 1.5W
RS-232 Support: Yes
Panel Power Support: 18V DC
Inverter Support: DPMS Enable Pin (3.3v or 5v)
Color Depth: 8-Bit/16.7M colors
MTBF: 100K hours
RoHS compliant: Yes
Warranty: 3 Year Manufacturer's

WQXGA
Samsung Panels Supported: LTB300M1-P01 LTM300M1-P01
LG Panels Supported: LM300W01-A3 LM300W01-STA4 LM300WQ3-STA1 LM300WQ5-STA1

Harsh Environment / Pro Video / Military

HE-1920

P/N: 4169901xx-3



The HE-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:

Outdoor digital signage, Mass Transit installations, high resolution Military displays, Marine displays.

Features:

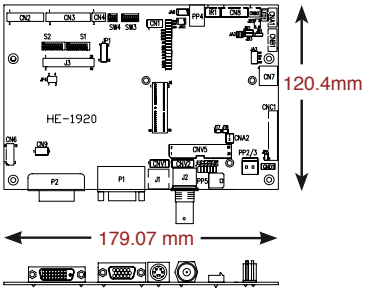
- Full screen image expansion of lower resolutions, image flip and invert function, on-screen PIP functions
- OSD menu transparency, Horizontal & Vertical image inversion, PIP - variable position, any input combinations (3 sizes)
- Programmable hot keys, Serial port protocol, Ambient light sensor control
- Supports optional High-Definition Serial Digital Interface (HD-SDI) for professional and broadcast video applications
- Harsh Environment Features (see next page)

Accessories/Options:

- HD-SDI Adaptor Boards (HD-2000/1000)
  HD-2000 - P/N 4160133xx-3 / **HD-1000** P/N 4160134xx-3

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable Kit	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3
• IR Remote Control	P/N 559000104-3
• IE-1000 120Hz Adapter	P/N 4171900xx-3

HE-1920 Specifications



Harsh Environment Features

- Low-Mass Tantalum Capacitors
- Locking Connectors for Vibration Tolerance
- Operating Compliance from -40ºC to +80ºC
- Humidity Resistant Silicon Resin Conformal Coating

Hi-Resolution Mechanical Drawings

Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types:
Analog RGB, DVI-D, Video

Max Resolution: 1920 x 1200

Panel Signal:
Dual channel TTL & LVDS

Power:
12V DC +/- 25%, tolerance 10W

RS-232 Support: Yes

Panel Power Support:
3.3V, 5V, 12V

Inverter Support:
DPMS Enables Pin 93.3v or 5v), Analog or PWM brightness control via serial port controller brightness

Color Depth: 8-Bit/16.7M colors

10-Bit/ 120 Hz Support Option:
Call

MTBF: 100K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:
60 Hz at WUXGA, UXGA
75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Input DVI-D:
60 Hz at WUXGA, UXGA
75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
NTSC/PAL/SECAM (Interlaced)

Composite Video, S-Video, RGB Video,
SD Component Video (YCbCr)
HD Component Video (YPbPr)

Resolutions Supported:
1920 x 1200
1920 x 1080

1680 x 1050
1440 x 900
1366 x768

1280 x 1024
1280 x 768
1280 x 800
1024 x 768

800 x 600
800 x 480
640 x 480

Harsh Environment / Military / Industrial

HE-1600

P/N: 4169901xx-3



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

Applications include:

Mobile Military displays, Marine electronics, outdoor signage (7”- 40”).

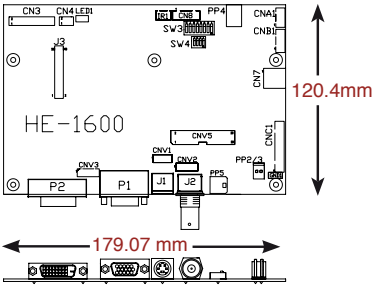
Features:

- Flexible port architecture that provides inputs for DVI, dual VGA, Composite, S-Video, Component Video across 4:3 and 16:9 format panels
- Embedded 3D Comb filter on video decoder to display excellent video picture quality
- Auto Picture Setup, Auto Color Gain, Auto Source Seek, OSD Menu Timeout, Gamma Adjustment, Color Temperature, Programmable Hot-Keys
- Broad SUN Support. Harsh Environment Features (see next page)

Accessories/Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable Kit	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3
• IR Remote Control	P/N 559000104-3

HE-1600 Specification



Harsh Environment Features

- Low-Mass Tantalum Capacitors
- Locking Connectors for Vibration Tolerance
- Operating Compliance from -40ºC to +80ºC
- Humidity Resistant Silicon Resin Conformal Coating

Hi-Resolution Mechanical Drawings

Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types:
Analog RGB, DVI-I, Video

Max Resolution: 1600 x 1200

Panel Signal:
TTL (single pixel) & LVDS

Power:
12V DC +/- 25% tolerance, 10W

RS-232 Support: Yes

Panel Power Support:
3.3V, 5V, 12V

Inverter Support:
DPMS Enables Pin (3.3v or 5v), Analog brightness control via serial port controller brightness

Color Depth: 8-Bit/16.7M colors

MTBF: 150K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:

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)

SUN Support:

Input DVI-I:
60 Hz at UXGA, SXGA, WXGA, XGA, SVGA, VGA

75 Hz at SXGA, WXGA, XGA, SVGA, VGA

Video:
NTSC/PAL/SECAM (Interlaced)

Composite Video, S-Video, RGB Video, Component Video (YPbPr) SD Component Video (YCbCr)

Resolutions Supported:
1680 x 1050
1600 x 1200

1440 x 900
1400 x 1050
1366 x 768

1280 x 1024
1280 x 800
1280 x 768
1024 x 768

800 x 600
640 x 480

Harsh Environment / Military / Industrial

HE-1400

P/N: 4171001xx-3



The HE-1400 is a small footprint, highly integrated controller with both Analog RGB and DVI-D inputs. Supports TTL & LVDS panels up to SXGA (1280 x 1024) or WXGA (1366 x 768).

Applications include:

Mobile PC video, handheld Military & Industrial panels, rack mount monitors, and transportation.

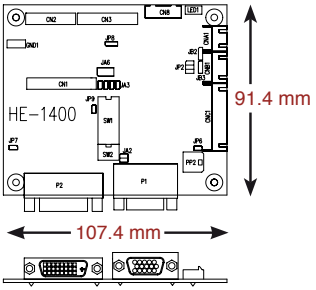
Features:

- Small footprint, high value
- Supports 4:3 format panels up to SXGA; 16:9 format panels up to WXGA
- Built-in TTL & LVDS support
- OSD position, timeout, factory reset, input source select
- Harsh Environment Features (see next page)

Accessories/Options:

• OSD Digital Button Board Kit	Kit 60110-3
• OSD Vertical Membrane Kit	Kit 60121-3
• OSD Horizontal Membrane Kit	Kit 60125-3
• Inverter Interface Board	P/N 416040010-3
• Power Input Cable Kit	P/N 426013800-3
• RS-232 Cable	P/N 426090200-3
• Audio Amplifier	P/N 416940020-3

HE-1400 Specifications



Harsh Environment Features

- Low-Mass Tantalum Capacitors
- Locking Connectors for Vibration Tolerance
- Operating Compliance from -40ºC to +80ºC
- Humidity Resistant Silicon Resin Conformal Coating

Hi-Resolution Mechanical Drawings

Click on Mechanical Tab
www.digitalview.com/controllers/products.php

Input Types:
Analog RGB, DVI-D

Max Resolution: 1366 x 768

Panel Signal:
TTL & LVDS

Power:
12V DC +/- 25% tolerance, 10W

RS-232 Support: Yes

Panel Power Support:
3.3V, 5V, 12V

Inverter Support:
DPMS Enables Pin (5v or 12v / 24v)
Analog control via serial port controller brightness

Color Depth: 8-Bit/16.7M colors

MTBF: 200K hours

RoHS compliant: Yes

Warranty: 3 Year Manufacturer's

Input Analog RGB:
60 Hz at SXGA, WXGA, XGA, SVGA, VGA

Input DVI-D:
60 Hz at SXGA, WXGA, XGA, SVGA, VGA

Resolutions Supported:
1366 x 768
1280 x 1024, 1280 x 768
1024 x 768
800 x 600, 800 x 480
640 x 480

PRODUCT ACCESSORIES

System / Network Solution Monitoring

Introduction

Digital View provides a comprehensive range of accessories to complement most controllers. We provide solutions to enhance user interface, aid in remote problem solving, enable system differentiation and customization. More importantly, these accessories enable
customers to build a better product solution.

Please see more information at www.digitalview.com/controllers/accessories.php

---

The DisplayMark Controller provides independent validation that a monitor is currently displaying the requested video images. Utilizing a combination of pattern recognition coupled with signal validation, the DisplayMark controller provides positive confirmation on a timed or interrogation basis.

The DisplayMark controller works only as an add-on through the SVH-1920 &SVX-1920 display controller's RS-232 port including custom firmware, and a tiny display photo sensor (<0.5 cm wide).

This exciting NEW SOLUTION is ideal for Digital Signage applications such as Public Information and Digital Advertising. Remote compliance verification of the networked system provides validation proof, higher up time, and peace of mind resulting in a better ROI.

displaymark



Kit 70300-3 Display Mark

Kit 70301-3 Display Mark with Accel

Kit 70302-3 Display Mark with Accel + Temp



IP-50 P/N 586013600-3
IP-50 - P/N 586013600-3
Provides easy and direct connection to products using networks and the Internet.

The IP-50 comes with a standard Ethernet connection, RS-232 interface and on-board fully programmable and customizable web server. It can be used to remotely control and monitor any Digital View RS-232 device.

For more information visit: www.digitalview.com/ip-50

RS-232
Digital View's RS-232 protocols enable all controller OSD functions to be controlled remotely. We continually develop applications that utilize RS-232, such as Text Overlay, to enhance the display functionality and improve the user interface experience.

PRODUCT ACCESSORIES

Broadcast / Professional Video Signal Inputs

HD 1000 / 2000 / 3000

Hi-Definition - Serial Digital Interface adaptors enable the Digital View SVH-1920 LCD controller to support single or dual HD-SDI connections, thus providing a highly featured alternative to expensive HD-SDI monitors or external adaptor devices. Fully compliant with the SMPTE 259M-C and SMPTE 292M standards.



HD-1000
P/N 4160134xx-3

HD-2000
P/N 4160133xx-3

HD-3000
P/N 4160160xx-3

180mm Interconnect Ribbon Cable
P/N 426171120-3

IE-1000 10-bit panel 120Hz refresh rate controller add-on



The IE-1000 is a HD image enhancer interface board capable of driving 10-bit, 120 Hz LCD panels up to 1920 x 1200. Benefits include elimination of film judder and reduced blur caused by latent LCD response times via fast motion compensation frame interpolation. The IE-1000 is an add-on board that can be used with the SVH-1920 LCD Controller, as well as the SVX-1920

Sensors

Ambient Light Detector Kit 70220--3 (works with SVH-190 only)
The kit provides the controller with the ability to monitor ambient light conditions and to automatically adjust the light output of the display accordingly.

Temperature Monitor Kit 70211-3, Kit 70212-3, Kit 70213-3
Works with any Digital View controller that provides serial port protocol to provide remote temperature reporting (ALR/HE-1400, DVS/SP/HE-1600, SVH/HE-1920, AVP-1600 & SVX-1920). Intended for digital signage monitors to gather feedback on the operating temperature of various components within the product, but is easily adaptable for many related applications. There are three kits - one sensor (70011-3), two sensors (70012-3), three sensors (70013-3).

Audio

Audio Add-on board - P/N 416940020-3
A 2-watt per channel audio board with volume control via the OSD.
This board is compatible with the AVP-1600, SP-1600, SVH-1920, HE-1600, HE-1920 & SVX-1920.

Audio Add-on board - P/N 416950001-3
Compatible with all DV controllers as an independent amplifier with an external potentiometer for volume adjustment.

PRODUCT ACCESSORIES

On Screen Display (OSD) Control Buttons / User Interface

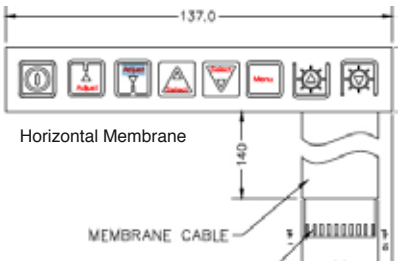
Digital View recognizes the importance of offering display controls that are simple and intuitive, yet powerful. On Screen Display kits are available in a variety of button, joystick, and touch screen configurations, and custom interfaces can be designed and manufactured upon request.

OSD Control Buttons: Digital View offers three types of external control buttons: A digital switch mount, a vertical membrane, a horizontal membrane. Each has 8 functional buttons that control Volume (up/down), Mute, Repeat, Next, Play, Pause, Stop. Each OSD kit ships with an interface cable, available in lengths of 150 mm, 300 mm, and 610 mm.

Hot Buttons: In addition, users are able to set 'hot buttons' or direct access buttons that are dedicated to a single function. These may be user-defined to permit one touch setting change, input selection, brightness control, or many other functions.

Item	P/N	150mm Kits	300mm Kits	610mm Kits
Digital Switch Mount, 8 Keys	416100520-3			
Membrane Interface Board	416100120-3			
Vertical Membrane, 8 Buttons	356301021-3			
Horizontal Membrane, 8 Buttons	356301022-3			
150mm, OSD Cable	420680260-3			
300mm, OSD Cable	426120400-3			
610mm, OSD Cable	426120410-3			
Digital Switch Mount, 8 Key Kit		60110-3	Call	Call
Vertical Membrane, 8 Button Kits		60121-3	60131-3	60146-3
Horizontal Membrane, 8 Button Kits		60125-3	60135-3	60145-3

Digital Switch Mount Kit Includes: Switch Mount, OSD cable (150mm)
Membrane Kits Include: Membrane Interface Board, V or H Membrane, OSD cable (150 or 300 or 610mm)



User Interface Control

Digital View provides a customization service offering customer's own logo on the Start-up screen and OSD menu for all controllers.

For the SVH-1920 & SVX-1920 additional features are available:

• Flip & Rotate enables the image and OSD of the display to be rotated by both 90 and 180 degrees, allowing portrait and ceiling mounting. (SVH / HE-1920 only)

• Picture-in-Picture (PIP) shows multiple video sources on a single display at the same time at a range of sizes. SVX-1920 Includes transparent PIP overlay

• Custom text overlays can be designed and linked with external functions either linked with normal OSD or through RS-232.

• Ability to map the on screen colors through the complete spectrum, ensuring color match between panels, and enabling adherence to color critical standards.

PRODUCT ACCESSORIES

Power



Power Converter Board P/N 416013900-3
Enable a single power supply to support a large format LCD panel. Accepts 24v DC input and provides selectable outputs to drive the controller and LCD panel.

Power Supply - North America KIT 80100-3
12v DC 48 watt power supply with barrel power connector.
100-240 vac input, includes power cord

Other Accessories



IR Remote Control P/N 559000104-3
The Digital View Remote control unit is compatible with all DV controller products. It is provided with universal control buttons that enable the control of OSD functions plus TV and media playback on DV media products. The IR sensor and cable kit are required. P/N 446010401-3



Inverter interface Board P/N 416040010-3
The Inverter interface board provides interface to drive up the high current consumption panel inverter in excess of 3.5A. This board enables current of up to 8 Amps to be managed safely while retaining the capability for inverter dimming and management of the inverter enable signal according to VESA DPMS standards. Additionally, the inverter interface board provides over voltage protection via a resettable fuse when the input voltage exceeds 13V, and reverse polarity protection against accidental misconnection.

Panel Cable Reference Table

Panel Cables	Panel Cables (AVP-1280 only)	Panel Voltage	Panel Brand	Panel Model	Panel Interface
426497500-3	NA	3.3/5V	NEC	NL12876BC15-01	LVDS
426497300-3	NA	NA	LG	LM300WQ5-STA1	TMDS
426497200-3	NA	3.3/5V	NEC	NL10276BC24-19D	LVDS
426497100-3	4264709-00	12V	Sharp	LQ201U1LW01	LVDS
426497000-3	NA	12V	Sharp	LK460D3LZ18	LVDS
426496900-3	NA	12V	LG	LM201U05-SLA3	LVDS
426496800-3	NA	3.3/5V	CHI MEI	N154C6-L01	LVDS
426496700-3	4264742-00	12V	IBM	ITSX98E	LVDS
426496600-3	NA	3.3/5V	NEC	NL12880BC20-02D	LVDS
426496500-3	NA	3.3/5V	Sharp	LG084S3LG01	LVDS
426496400-3	NA	NA	LG	LM300W01-STA4	LVDS
426496300-3	NA	12V	Samsung	LTI460WT-L02	LVDS
426496000-3	NA	3.3/5V	Sharp	LQ106K1LZxx	LVDS
426495900-3	NA	3.3/5V	Toshiba	LTA106C21XF	LVDS
426495800-3	NA	3.3/5V	Samsung	LTM190M2-L01	LVDS
426495700-3	NA	3.3/5V	LG	LB084S01-TL01	LVDS
426495600-3	NA	3.3/5V	CHI MEI	G104X1-L01	LVDS
426495500-3	NA	3.3/5V	AU Optronics	T200XW02	LVDS
426495400-3	NA	3.3/5V	Samsung	LTN154X9-L01	LVDS
426495300-3	NA	3.3/5V	Samsung	LTN106W2-L01	LVDS
426495200-3	P/N 4264704-00 P/N 4260543-00	3.3/5V	Samsung	LTM240W1-L03 LTM213U4-L01	LVDS
426495100-3	NA	3.3/5V	CHI MEI	B104X1-L11	LVDS
426495000-3	NA	18V	CHI MEI	V420H1-L03	LVDS
426494900-3	4264749-00	3.3/5V	PrimeView	PD104SL5H2	LVDS
426494800-3	NA	12V	Sharp	LK645D3LZ1S	LVDS
426494700-3	NA	18V	LG	LM230WU3-SLB1	LVDS
426494400-3	NA	12V	CHI MEI	V420H1-L05	LVDS
426494300-3	4264740-00	12V	LG	LC230W02-A5	LVDS
426494100-3	4264723-00	3.3/5V	BOE Toshiba	HV104X01-100 LTD104KA1S	LVDS LVDS
426494000-3	NA	NA	Samsung	LTM300M1-P01	TMDS
426493900-3	NA	3.3/5V	AU Optronics	G065VN01 V.0	LVDS
426493800-3	4264743-00	3.3/5V	NEC	NL10276BC20-04 NL8060BC31-28D	LVDS
426493700-3	NA	12V	Samsung	LTI570HH-L01	LVDS
426493600-3	NA	12V	NEC	NL128102AC28-07	LVDS
426493500-3	NA	3.3/5V	CHI MEI	V270B1-L01	LVDS
426493400-3	NA	3.3/5V	Samsung	LTM213U6-L01	LVDS
426493300-3	NA	12V	NEC	NL128102AC31-02	LVDS
426493200-3	NA	3.3/5V	Sharp	LQ201T3LZxx	LVDS
426493100-3	NA	3.3/5V	Samsung	LTI400HS-L01	LVDS
426493000-3	426476200-3	3.3/5V	NEC	NL10276BC16-01 NL6448BC26-08D	LVDS
426492900-3	NA	18V	LG	LC550W01	LVDS
426492800-3	4264754-00	12V	NEC	NL160120BC27-05	LVDS
426492700-3	4264734-00	12V	LG	LM181E05-C3	LVDS
426492600-3	4264731-00	12V	Sharp	LQ181E1LW31	LVDS
426492500-3	4264719-00	3.3/5V	Mitsubishi	AA121XH01	LVDS
426492400-3	NA	3.3/5V	Mitsubishi	AA084XA03	LVDS
426492300-3	4264756-00	12V	Sharp	LQ201U1LW21	LVDS
426492200-3	4264717-00	3.3/5V	AU Optronics Samsung Toshiba	B104SN02 LTA104S1-L01 LTD121GA0S	LVDS LVDS LVDS





LVDS CABLE

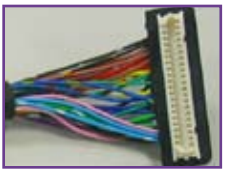
Panel Cable Reference Table

Panel Cables	Panel Cables (AVP-1280 only)	Panel Voltage	Panel Brand	Panel Model	Panel Interface
426492100-3	4264726-00	3.3/5V	Samsung Samsung AU Optronics AU Optronics NEC Sharp Sharp	LTM170W1-L01 LTM150XH-L04 M150XN07 G150XG01 NL10276BC30-18 LQ150X1LGN2A LQ150X1LGB1	LVDS LVDS LVDS LVDS LVDS LVDS LVDS
426492000-3	4264752-00	12V	AU Optronics	T296XW01	LVDS
426491900-3	NA	12V	LG	LC470WU1-SL01	LVDS
426491800-3	426475900-3	3.3/5V	Toshiba	LTD121EC5S	LVDS
426491700-3	4264748-00	3.3/5V	Samsung	LTM190E4-L02	LVDS
426491600-3	4264730-00 4264736-00	3.3/5V	AU Optronics AU Optronics AU Optronics AU Optronics AU Optronics Sharp	M170EG01 M190EG01 M190EG02 M190EN03 M240UW01 LQ170E1LG11	LVDS LVDS LVDS LVDS LVDS LVDS
426491500-3	NA	12V	LG	LC420W02-A4K3	LVDS
426491400-3	4264700-01	3.3/5V	Hitachi	TX38D12VC0CAA	LVDS
426491300-3	4264739-00	3.3/5V	Fujitsu	FLC59UXC8V-02A	LVDS
426491201-3	NA	12V	AU Optronics	T370HW01	LVDS
426491200-3	NA	12V	TBD	TBD	LVDS
426491100-3	NA	3.3/5V	Samsung	LTM240M1-L01	LVDS
426491000-3	4264730-00 4264736-00	12V	AU Optronics	T460HW01	LVDS
426490900-3	4264735-00	3.3/5V	Sharp	LQ170M1LA04	LVDS
426490800-3	NA	3.3/5V	Samsung Samsung	LTA460H2-L02 LTA570H2-L01	LVDS LVDS
426490700-3	4264751-00	3.3/5V	Samsung Samsung AU Optronics	LTA320W2-L01 LTA320WT-L14 T260XW02 V.5	LVDS LVDS LVDS
426490600-3	NA	12V	Sharp	LQ445D3LZ19	LVDS
426490500-3	4264726-00	12V	LG	LC420W02-A4	LVDS
426490400-3	4264740-00	3.3/5V	Sharp Sharp Sharp Sharp	LQ315T3LZ24 LQ295T3LZ31 LQ255T3LZ24/28 LQ255T3LZ11/19	LVDS LVDS LVDS LVDS
426501400-3	426315900-3	3.3/5V	LG	LB064V02-A1	TTL
426501300-3	NA	3.3/5V	LG	LB121S02-A2	TTL
426501200-3	NA	3.3/5V	Sharp	LQ9D03B	TTL
426501100-3	426316200-3	12V	LG	LC201V02	TTL
426501000-3	4263146-00	3.3/5V	Hitachi	TX31D30VC1CAA	TTL
426500900-3	NA	3.3/5V	Toshiba	LTA065B0D0F	TTL
426500800-3	4263155-01	3.3/5V	LG	LC201V1	TTL
426500700-3	4263123-00	3.3/5V	Toshiba	LTM12C289	TTL
426500600-3	4263161-00	3.3/5V	LG	LB104V03-A1	TTL
426500500-3	4263116-00	3.3/5V	NEC Sharp Sharp	NL8060BC26-27 LQ104S1DG21 LQ121S1DG41	TTL
426500400-3	4263112-00	3.3/5V	NEC Sharp Sharp Sharp	NL6448BC20-18D LQ10D368 LQ104V1DG21 LQ104V1DG51	TTL TTL TTL TTL
426500300-3	4206875-12 4206874-52 4206875-22	5V	LG	LM151X3-A2	TTL
426500200-3	4263135-00	3.3/5V	Toshiba	LTM08C351	TTL
426500100-3	4263114-01	3.3/5V	LG	LM151X2	TTL





LVDS CABLE





TTL CABLE

Note: Verify panel voltage before choosing the matching LVDS cable.
For possible updates, please see:
www.digitalview.com/controllers/csg.php // www.digitalview.com/controllers/accessories.php

Media Players Overview

Alongside its LCD controller specialism, Digital View is also one of the best known suppliers of innovative digital media player products for the Retail Media, Digital Signage, Museum and A/V sectors. The company has delivered over 100,000 of these digital video systems across the globe, many integrated with LCD products and systems. Eye-catching video media and interactivity have been proven to engage customers and enrich visitor experiences - and Digital View has a range of systems designed for the very specific requirements of this digital video market.

Digital Media Players :
The Digital View media player range offer crystal clear digital video and digital audio playback. Running off removable & USB updatable flash memory, these lightweight, compact LINUX players have no internal moving parts, offer auto-start and 'bullet-proof' reliability. The Viewstream players and boards deliver more than 100,000 hours MTBF and are sold with a 3 year warranty.

High Definition :
The range includes JPEG, MPEG2&4, AVI & WMV products, with high-end support for 1080P/60 high definition media playback and professional digital audio.

Interactivity :
The range supports fast response interactivity with 16 function button controls, touch screens, motions sensors, barcode scanners and RS-232 serial port control.

Professional Picture Frames :
The Digital View 'Videoflyer' range offers integrated media player and high quality digital LCD panels, sizes range from 6" to 15" diagonal. Options are available for integrated touch screens and 'open-frame' chassis versions.

Digital Signage Networking:
The VS-500 player is supplied with a free FTP networking software - DV SYNC. DV-SYNC enables the simple update of media files through either a local network or the internet. For larger more complex digital signage requirements, Digital View is partnered with a full service hosted content management system provider - Delivering Digital Ltd.

Software & Services :
The Viewstream products are all sold with free playlist creation software - DV Studio. DV Studio enables the creation of timed looping playlists, interactive applications and compliance reporting based on field playout data. Digital View is also linked to customer software and content creation development teams.

The ViewStream Collection

ViewStream 100

- MPEG 1, 2, 4 MPEG Stills, MP3 and JPEG file formats
- Standalone player able to play content from a CF Card either sequentially or according to a programmed playlist
- Selectable video output formatted for VGA at 640 x 480 or Composite / S-Video in either NTSC or PAL formats along with line-out audio
- A battery-backed real time clock enables scheduled playlist events. An 8-input event trigger port enables a wide range of standard buttons and other peripherals to be used to create high levels of interactivity



ViewStream 300

- MPEG 1, 2, 4 MPEG Stills, MP3 and JPEG file formats
- RS-232 Serial Port and a Host USB port
- The serial port provides support for industry standard barcode readers and optionally it can support a wide range of serial input / output devices
- The Host USB port enables content on the CF card to be updated automatically from a USB flash drive.



ViewStream 500

- MPEG 1, 2 (PS-TS), 4 (DivX, XviD, AVC/ H.264), Quicktime, Windows Media (VC1), JPEG, Bitmap, GIF
- Supports 1080p /60
- Video tracks play according to a playlist created in DV-Studio or Alphanumeric order
- The Host USB port enables content on the CF card to be updated automatically from a USB flash drive & retrieval of the stored Data Log files
- RS-232 Serial Port Supports a wide range of input / output devices



Getting Networked



The **Viewstream 500** can be used for **REMOTE NETWORKING** opportunities, where playlists and video can be updated either over a local area network, or the internet. To access REMOTE NETWORKING functionality, a VS-500 must either be upgraded with the DV-SYNC software, or alternatively customers can purchase the pre-configured RP-500 (Remote Player 500).

DV-SYNC:
Allows users to create a simple FTP location on any accessible server (either internal network or online) through which to update and control the content and media on an RP-500. Using the DV-SYNC network protocol, a user sets parameters on the RP-500 that direct it to access a specific folder at the FTP location. Content playlists and schedules are created in the normal way (using DV-Studio) and the files then simply uploaded to the relevant folder on the FTP server.

The RP-500 can be set to contact the FTP server as often as required - downloading content and sending back playout compliance data from the field. This basic systems offers FREE remote content upload, scheduling and field data compliance reporting.

DV-SYNC is ideal for smaller digital signage networks, and for those running within an internal network infrastructure. For more complex requirements - Digital View works in partnership with Delivering Digital Ltd, a specialist manager of large scale content management systems (CMS).

BEN :
This is the **ONLINE HOSTED CONTENT MANAGEMENT SYSTEM** from Delivering Digital Ltd. It offers a cost effective on-line mechanism for large scale digital signage network management. The system provides for multiple levels of control for scheduling, content groups, field data reporting, content library management, template content creation, local playlist creation and a whole host of bolt-on customizable applications for clients. The BEN system is hosted on central servers operated by the Delivering Digital team. Delivering Digital offer a completely managed service, with dedicated support and bandwidth management.

The **BEN** system can be branded to any customer - and integrated with a range of 3rd party applications. It is the ideal management system for multiple client digital signage and digital out-of-home networks.

DV-SYNC API:
Digital View further offers a full control API for the DV-SYNC protocol, that allows customers to enhance and develop their own more complex content management systems.

The Video Flyer Collection

Integrated display and solid state media players for retail video & digital signage

[ENCLOSED]	VF-076	VF-080	VF-100W	VF-150	VF-200
SIZE	7”	8”	10”	15”	20”
WIDESCREEN	√		√		
MPEG 1 - 2	√	√	√	√	√
MPEG 4	√	√	√	√	√
JPEG	√	√	√	√	√
MP3	√	√	√	√	√
SPEAKERS	√	√	√	√	√
REAL TIME CLOCK	√	√	√	√	√
SCHEDULING	√	√	√	√	√
TOUCH SCREEN	√	√	√	√	√
MOTION DETECTOR	√	√	√	√	√
SERIAL PORT	√	√	√	√	√
BAR CODE READER	√	√	√	√	√
[OPEN FRAME]	VF-076OF	VF-080OF	VF-100WOF	VF-150OF	VF-200OF



DIGITAL VIEW®






USA:
18440 Technology Drive
Bldg 130
Morgan Hill, CA 95037
USA
t: 408-782-7773

Europe:
6 Marylebone Passage
London
W1W 8EX
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