

DIGITALVIEW®

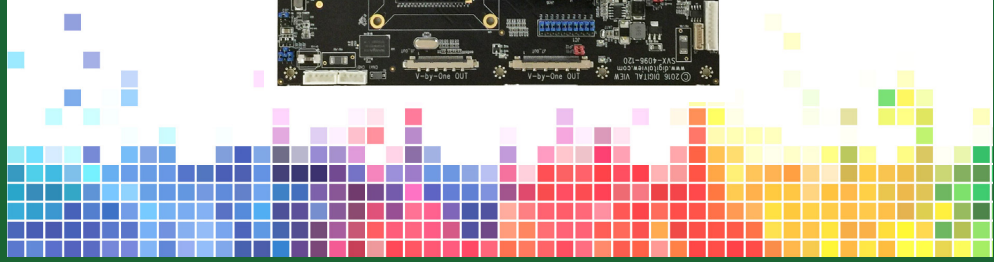
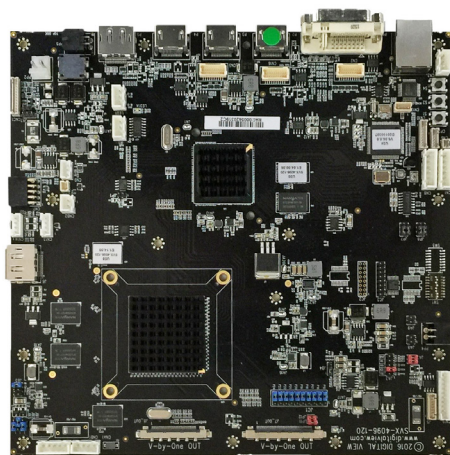


Product Guide

LCD Controllers,
Accessories &
Engineering

May 2019

www.digitalview.com



Contents

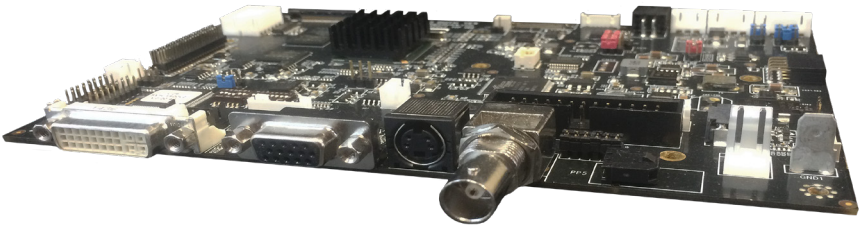
Introduction	3-6
Capabilities	7
Selecting an LCD Panel Controller	8
Customizing The Products	9
Product Comparison Table	10-11
SDM Format Controllers	
SVX-4096-SDM / SDM-1920-LVDS	12-13
Multi-Purpose LCD Controllers	
SVX-4096	14-15
SVX-4096-120	16-17
SVX-4096-VW	18-19
SVX-2560	20-21
SVX-1920v3	22-23
SVH-1920v2	24-25
SP-4096	26-27
SP-1920	28-29
ALT-1920	30-31
ALR-1920	32-33
ALR-1920-SDI	34-35
ALR-1400v2	36-37
DD-1920 Family	38-39
Harsh Environment LCD Controllers	
HX-4096	40-41
HSP-4096	42-43
HX-1920v3	44-45
HE-1920V2	46-47
HSP-1920	48-49
HLR-1920	50-51
HE-1400v2	52-53
HDD-1920	54-55
Accessories	56-59

Digital View

Since 1995 Digital View has been designing and producing LCD interface controller boards used by leading professional video display and monitor manufacturers around the globe. As 2019 progresses we will be adding more industry specific solutions to address the growing specialization of the display market.

Digital View controllers have been used in virtually every conceivable LCD display related application including...

- » Industrial Displays
- » Harsh Environment Displays
- » Defense and Security
- » Avionics, Marine and Rail
- » Healthcare Imaging Systems
- » Video Broadcast & Studios
- » Digital Signage for Retail, Advertising & Information
- » Corporate Audio Visual display systems for collaboration
- » Interactive displays and kiosks, way-finding
- » Architectural display systems



Why Digital View...

Now in our 25th year of consistent performance as the leading LCD controller board developer, manufacturer and solution provider for application specific monitors and display systems. Having pioneered the development of specialty LCD interface controllers and many value added functions, Digital View provides a highly skilled, passionate engineering team with custom engineering and support services, including a wide range of accessories to complement core products.

Digital View:

- » Supports product concept, design, prototypes and mass production.
- » Supports the LCD panel suppliers that customers select.
- » Provides the engineering services & expertise to meet the needs of the display industry.
- » Supports legacy applications and long life-cycle production.
- » Supplies a cost effective sub-assembly solution so companies can focus on their goals.
- » Reduces time to market and increases ROI.
- » QC - 100% production testing with QA verification.
- » Meets application specific standards and compliance criteria.

Harsh Environments

Aviation



Digital Signage



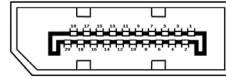
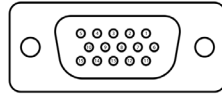
Marine



Display Acronyms

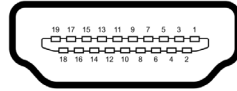
Monitors

WQXGA	2560 x 1600
WUXGA	1920 x 1200
UXGA	1600 x 1200
WXGA	1366 x 768
SXGA	1280 x 1024
XGA	1024 x 768
SVGA	800 x 600
VGA	640 x 480



HD

8K UHD	7680 x 4320
5K / UHD+	5120 x 2880
True 4K	4096 x 2160
UHD / 4K	3840 x 2160
FHD	1920 x 1080
HD	1280 x 720



TV

1080p / 1080i	1920 x 1080
720p / 720i	1280 x 720
480p / 480i	640 x 480
PAL	625 scan lines, 576 visible
NTSC	525 scan lines, 480 visible



LCD Panels Supported...



...and more

Capabilities

Digital View is known throughout the display industry for high-end reliability and an expanded features set of advanced functionality. We have a proven track record for display system related innovation and on-time and on-budget project delivery.

Engineering Services

Digital View provides display solution related engineering to customers:

- » Input signal support
- » LCD panel resolution & timing support
- » Feature enhancements
- » OSD modifications
- » System monitoring with remote access
- » Splash screen branding
- » Add-on board designs
- » Custom controller layouts
- » Complete turnkey controller development

Scalable Manufacturing

Digital View supports display projects of all sizes and phases of development, from prototype to volume production.

Quality Control & Reliability

Digital View recognizes the demanding requirements of customer's display applications and takes a holistic approach to quality from specification, design, qualified partners, parts sourcing, production, quality control and support.

Environmental Standards Compliance & Disclosures

Digital View seeks to meet the ever developing standards for environmental protection as well as supporting customers with their disclosure requirements.

Customization

All standard Digital View LCD controller products can be customized either at the production stage or by Digital View engineering to suit a particular display application. Digital View also undertakes custom layout development for matching controller design to a specific customer enclosure. The following are some examples; for particular controller models there may be some technical limitations.

Splash Screen

Brand owners can have their logo shown when the display initiates

Menus & Functions

On-screen menu design and modification as well as addition or removal of functions

Menu Buttons

Standard or custom menu buttons either direct or via RS-232 or Ethernet

Menu Languages

Lock the on-screen menu to your language or have a new language added

Function Presets

Assign fixed functions to OSD and menu buttons

Panel Timing & Resolution

Set up timings and support for non-standard panel resolutions

Input Signals

Customization includes support for non-standard input signals as well as port & signal locking

Testing & Calibration

Testing, certification and calibration services are available to meet industry standards

Cables

Although standard cables meet most applications, custom cables are available

Custom layouts

Custom board layout to match the mechanical requirements of a display enclosure



Port Naming

Custom port name display

Windows, Android & IOS Apps

Extending control and functionality of the LCD controller board with software

Model	Photo	Panel Resolutions	Color (up to)	Panel Voltage	Input Signals	Commands & Control	Other
SVX-4096 203mm x 154mm		3840 x 2160 4096 x 2160 V-by-One eDP LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x3 DVI-I Dual Link x1 Displayport x1 VGA x1 (on DVI-I)	OSD Buttons IR Remote Ethernet RS-232	DICOM Quad input Sensors 12/24V DC in PWM, DPMS
SVX-4096-120 203mm x 194mm		3840 x 2160 4096 x 2160 60Hz, 120Hz V-by-One	10 Bit	3.3v 5v 10v 12v 18v	HDMI x3 DVI-I Dual Link x1 Displayport x1 VGA x1 (on DVI-I)	OSD Buttons IR Remote Ethernet RS-232	Quad input Sensors 12/24V DC in PWM, DPMS
SVX-4096-VW 254mm x 140mm		1920 x 1080 3840 x 2160 4096 x 2160 V-by-One LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x3 DVI-I Dual Link x1 Displayport x1 plus x1 output VGA x1 (on DVI-I)	OSD Buttons IR Remote Ethernet RS-232	PIp, PbP Telemetry 12/24V DC in PWM, DPMS
SVX-2560 203mm x 120mm		up to 2560 x 1600 60Hz, 120Hz LVDS eDP	10 Bit	3.3v 5v 10v 12v 18v	HDMI x1 DVI-Dual Link x1 VGA x1 Displayport x1 Component x1 3G-SDI (option)	OSD Buttons IR Remote Ethernet RS-232	PIp 12/24V DC In PWM, DPMS
SVX-1920v3 179mm x 120mm		up to 1920 x 1200 LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x1 DVI-D x1 VGA x1 Component 3G-SDI (option)	OSD Buttons IR Remote Ethernet RS-232	PIp Image Flip 12/24V DC In PWM, DPMS
SVH-1920v2 179mm x 120mm		up to 1920 x 1200 LVDS	10 Bit	3.3v 5v 10v 12v 18v	DVI-D x1 VGA x2 Component Composite x2 S-Video x2 HD-SDI*	OSD Buttons IR Remote RS-232	PIp Image Flip 12/24V DC In PWM, DPMS
SP-4096 179mm x 120mm		3840 x 2160 4096 x 2160 V-by-One	10 Bit	3.3v 5v 10v 12v 18v	HDMI x2+1 DVI-I x1 VGA x1 (via DVI) USB for failover	OSD Buttons IR Remote RS-232	Input failover Image flip 12/24V DC In PWM, DPMS
SP-1920 179mm x 120mm		up to 1920 x 1200 LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x1+1 DVI-D x1 / VGA x1 Component x1 Composite x2 USB for failover	OSD Buttons IR Remote RS-232	Input failover Image flip 12/24V DC In PWM, DPMS
ALT-1920 108mm x 92mm		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 12v 18v	HDMI x1 Displayport x1 VGA x1	OSD Buttons IR Remote RS-232	12/24V DC In PWM, DPMS
ALR-1920 108mm x 92mm		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 12v 18v	HDMI x1 Displayport x1 VGA x1	OSD Buttons IR Remote RS-232	12/24V DC In PWM, DPMS
ALR-1920-SDI 185mm x 94mm		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 12v	HDMI x1 Displayport x1 VGA x1 3G-SDI x1	OSD Buttons IR Remote RS-232	12V DC Input PWM, DPMS 3G-HD-SDI
ALR-1400v2 108mm x 92mm		up to 1440 x 900 LVDS, TTL	8 Bit	3.3v 5v 12v 18v	DVI-D x1 VGA x1	OSD Buttons IR Remote RS-232	12/24V DC In PWM, DPMS

Model	Photo	Panel Resolutions	Color (up to)	Panel Voltage	Input Signals	Command + Control	Other
DD-1920 Family		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 12v	DVI (Dual-DVI) HDMI Displayport HDBT VGA	OSD Buttons IR Remote RS-232	12V DC Input PWM, DPMS
SDM Family		1920 x 1080 4096 x 2160 LVDS	10 Bit	3.3v 5v 12v	DVI HDMI VGA	OSD Buttons IR Remote RS-232	12V DC Input PWM, DPMS

Harsh Environment LCD Controller Range

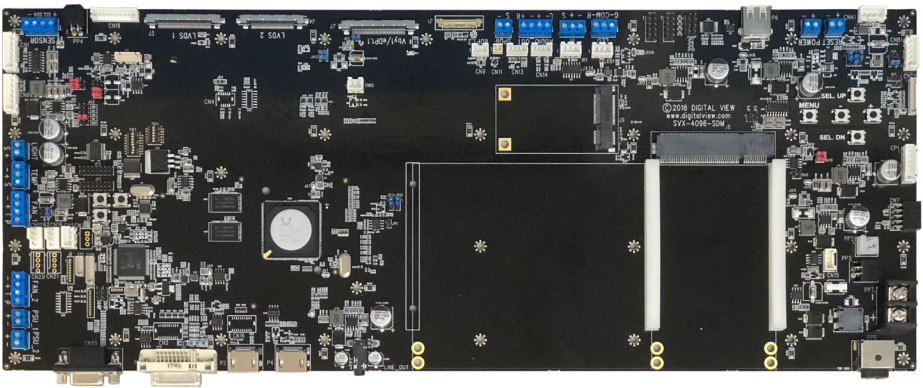
Model	Photo	Panel Resolutions	Color (up to)	Panel Voltage	Input Signals	Command & Control	Other
HX-4096 203mm x 154mm		up to 4096 x 2160 V-by-One eDP LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x3 DVI-Dual Link x1 Displayport x1 VGA x1 (on DVI-I)	OSD Buttons IR Remote Ethernet RS-232	DICOM Quad input Sensors 12/24V DC In PWM, DPMS
HSP-4096 179mm x 120mm		3840 x 2160 4096 x 2160 V-by-One	10 Bit	3.3v 5v 10v 12v 18v	HDMI x2+1 DVI-I x1 (VGA) USB for failover	OSD Buttons IR Remote RS-232	Input failover Image flip 12/24V DC In PWM, DPMS
HX-1920v3 179mm x 120mm		up to 1920 x 1200 LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x1 DVI-D x1 VGA x1 Component 3G-HD-SDI*	OSD Buttons IR Remote Ethernet RS-232	PiP Image flip 12V DC In PWM, DPMS
HE-1920v2 179mm x 120mm		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 10v 12v 18v	DVI-I x1 VGA x2 Component x2 Composite x1 S-Video x1	OSD Buttons IR Remote RS-232	PIP Image flip 12/24V DC In PWM, DPMS
HSP-1920 179mm x 120mm		up to 1920 x 1200 LVDS	10 Bit	3.3v 5v 10v 12v 18v	HDMI x1+1 DVI-D / VGA Component x1 Composite x2 USB for failover	OSD Buttons IR Remote RS-232	Input failover Image flip 12/24V DC In PWM, DPMS
HLR-1920 108mm x 92mm		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 12v	HDMI x1 Displayport x1 VGA x1	OSD Buttons IR Remote RS-232	12V DC In PWM, DPMS
HE-1400v2 108mm x 92mm		up to 1440 x 900 LVDS, TTL	8 Bit	3.3v 5v 12v 18v	DVI-D x1 VGA x1	OSD Buttons IR Remote RS-232	12/24V DC In PWM, DPMS
HDD-1920 92mm x 60mm		up to 1920 x 1200 LVDS	8 Bit	3.3v 5v 12v	HDMI header	OSD Buttons IR Remote RS-232	12V DC Input PWM, DPMS

Accessories : Pg 56-59

* Requires optional add-on board, see Accessories

SDM Format Controllers: SVX-4096-SDM

Introducing a new Digital View LCD controller family with Intel® SDM support. The first released model, the SVX-4096-SDM combines full Digital View LCD controller functions with both Small & Large SDM support and multiple LCD interface options



SVX-4096-SDM

- » Full Digital View LCD controller functions with the addition of Intel® SDM-S and SDM-L
- » Up to 4096 x 2160 input, 10 bit / Up to 4096 x 2160 LCD panels, 10 bit
- » V-by-One, eDP, LVDS panel connection @60Hz (compatible with IE-2000 for 120Hz)
- » HDMI 2.0, HDMI 1.4, DVI-I Dual Link
- » SDM Small (SDM-S) and Large (SDM-L) compatible
- » Connection for temperature sensors, fans and power detect
- » Internal USB connection together with Digital View's USB 'follow-me' switching for touch-screen display systems

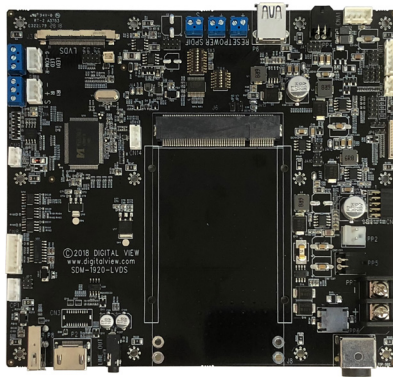
On the Website

www.digitalview.com/controllers/svx-4096-sdm-lcd-controller.html



SDM Format Controllers: SDM-1920-LVDS

Complementing the full function SVX-4096-SDM controller the SDM-1920-LVDS Intel® SDM-S to LVDS interface provides straightforward LCD panel connectivity



SDM-1920-LVDS

- » Intel® SDM-S interface
- » Up to 1920 x 1200 LCD panels, 8 bit
- » LVDS panel connection @60Hz
- » SDM Small (SDM-S) compatible

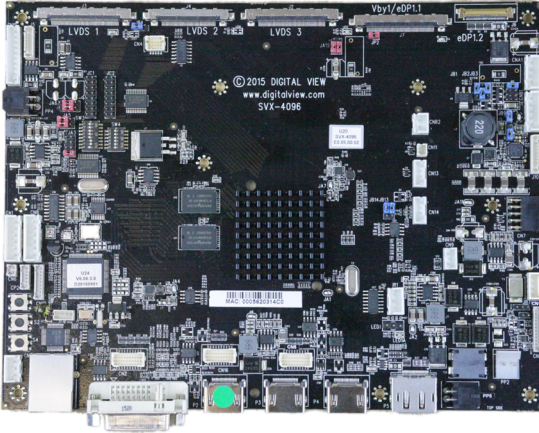
On the Website

www.digitalview.com/controllers/sdm-1920-lvds-lcd-controller.html



SVX-4096

Part No : 4175500xx-3



The SVX-4096 is an advanced controller supporting LCD & OLED panels up to 4096 x 2160 resolution

Features:

- » Up to 4096 x 2160 input, 10 bit / Up to 4096 x 2160 LCD panels, 10 bit
- » HDMI 2.0, HDMI 1.4, DisplayPort 1.2, DVI-I Dual Link
- » V-by-One, eDP, LVDS panel connection @60Hz (& 120Hz with IE-2000)
- » Full frame memory buffer for enhanced image control
- » Ethernet, RS-232, Infra-red remote control, External buttons

Panel Connection

V-by-One: up to 4096 x 2160 @60Hz
(8 channel)

add IE-2000 for 120Hz

eDP (HBR/HBR2) up to 4096 x 2160 @60Hz

LVDS (8 channel) up to 4096 x 2160 @60Hz

Panel resolutions 4096 x 2160, 3840 x 2160,
2560 x 1440/1600
1920 x 1200, 1920 x 1080

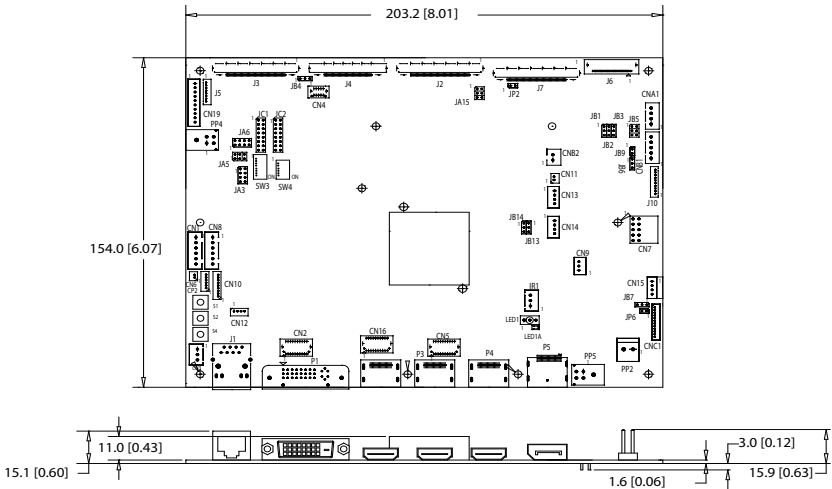
Input Signal

HDMI 2.0 60Hz up to 4096 x 2160
75Hz up to 1600 x 1200

HDMI 1.4 30Hz up to 4096 x 2160
60Hz up to 2560 x 1600
75Hz up to 1600 x 1200

Displayport 1.2 60Hz up to 4096 x 2160
75Hz up to 1600 x 1200

DVI-I Dual Link (includes VGA) 30Hz up to 4096 x 2160
60Hz up to 2560 x 1600
75Hz up to 1600 x 1200



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness, Up/Down scaling to fit input to panel resolution

Other: System information, Scaling to fill screen and fill to aspect ratio, Programmable hot-keys, Factory reset, Quad input support, Picture-in-Picture (PiP), Picture by Picture (PbP), Ambient light sensor support*, Enable frame buffer for FRC image enhancement, OSD menu transparency, DDC-CI support*

Accessories:

IE-2000, for 120Hz panels	P/N 4175600XX-3
Inverter interface board	[subject to panel]
IR remote control	P/N 5590001XX-3
OSD digital button board	Kit 67110-3
OSD membrane kit - Ver	Kit 67134-3
OSD membrane kit - Hor	Kit 67135-3
Audio Add-on board	P/N 416940020-3

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

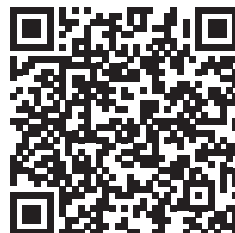
MTBF: 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

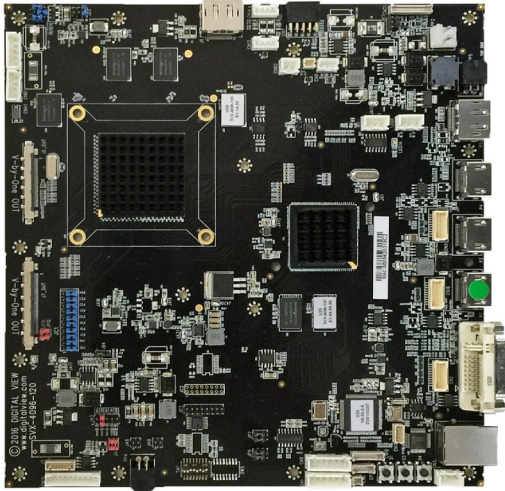
On the Website

www.digitalview.com/controllers/svx-4096-lcd-controller.html



SVX-4096-120

Part No : 4175900xx-3



The SVX-4096-120 is a full function controller supporting 60Hz and 120Hz LCD panels up to 4096 x 2160 resolution

Features:

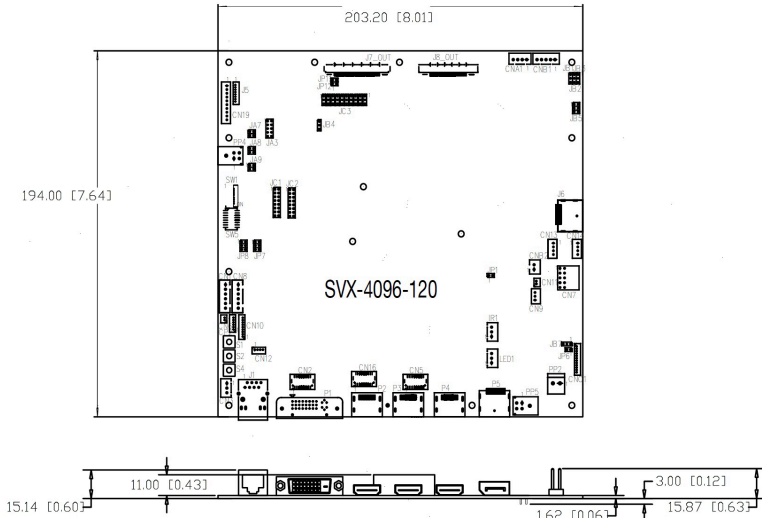
- » Up to 4096 x 2160 input, 10 bit / Up to 4096 x 2160 120Hz LCD panels, 10 bit
- » HDMI 2.0, HDMI 1.4, DisplayPort 1.2 (& pass-through output), DVI-I Dual Link
- » V-by-One panel connection @60Hz/120Hz
- » Full frame memory buffer for enhanced image control
- » Ethernet, RS-232, Infra-red remote control, External buttons

Panel Connection

V-by-One:	up to 4096 x 2160
(8 & 16 channel)	@60Hz & 120Hz
Panel resolutions	4096 x 2160, 3840 x 2160 1920 x 1200, 1920 x 1080

Input Signal

HDMI 2.0	60Hz up to 4096 x 2160 75Hz up to 1600 x 1200
HDMI 1.4	30Hz up to 4096 x 2160 60Hz up to 2560 x 1600 75Hz up to 1600 x 1200
Displayport 1.2	60Hz up to 4096 x 2160 75Hz up to 1600 x 1200
DVI-I Dual Link (includes VGA)	30Hz up to 4096 x 2160 60Hz up to 2560 x 1600 75Hz up to 1600 x 1200



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness, Up/Down scaling to fit input to panel resolution, Image flip.

Other: System information, Scaling to fill screen and fill to aspect ratio, Programmable hot-keys, Factory reset, Quad input support, Picture-in-Picture (PiP), Picture by Picture (PbP), Ambient light sensor support*, Enable frame buffer for FRC image enhancement, OSD menu transparency, DDC-CI support*

Accessories:

Inverter interface board	[subject to panel]
IR remote control	P/N 5590001XX-3
OSD digital button board	Kit 67110-3
OSD membrane kit - Ver	Kit 67134-3
OSD membrane kit - Hor	Kit 67135-3
Audio Add-on board	P/N 416940020-3

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

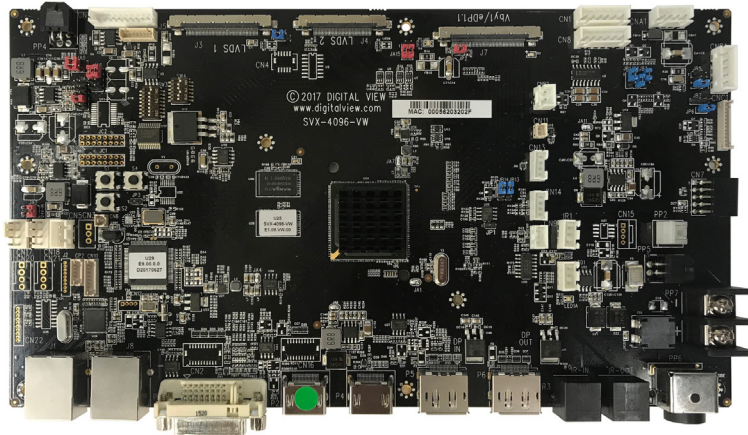
On the Website

digitalview.com/controllers/svx-4096-120-lcd-controller.html



SVX-4096-VW

Part No : 4176200xx-3



The SVX-4096-VW is designed for creating video wall displays and other displays with ‘daisy-chain’ signal connection

Features:

- » Up to 4096 x 2160 input, 10 bit / 1920x1080 and 4096 x 2160 LCD panels
- » HDMI 2.0, HDMI 1.4, DisplayPort 1.2 with pass-through, DVI-I Dual Link
- » V-by-One, eDP, LVDS panel connection @60Hz (& 120Hz with IE-2000)
- » Video-wall: Daisy-chain input, Scaling and Calibration function support
- » Ethernet, RS-232, Infra-red remote control, External buttons

Panel Connection

V-by-One: up to 4096 x 2160 @60Hz
add IE-2000 for 120Hz

LVDS up to 1920 x 1200 @60Hz

Panel resolutions 4096 x 2160, 3840 x 2160
1920 x 1200, 1920 x 1080

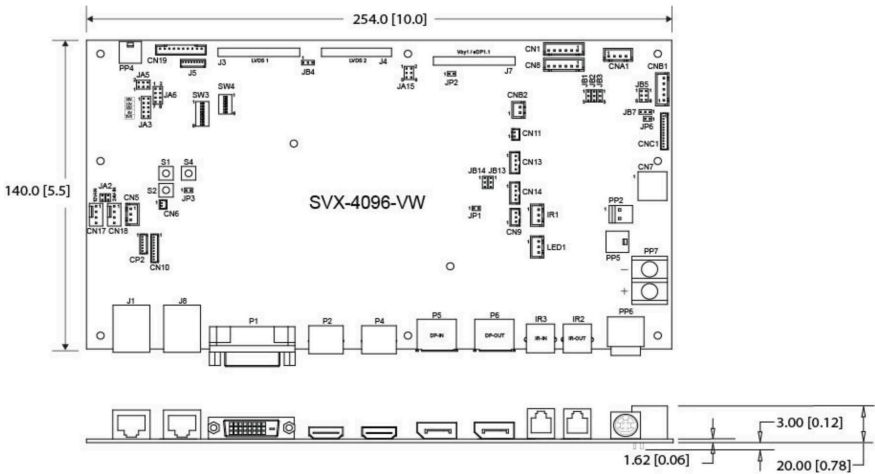
Input Signal

HDMI 2.0 60Hz up to 4096 x 2160
75Hz up to 1600 x 1200

HDMI 1.4 30Hz up to 4096 x 2160
60Hz up to 2560 x 1600
75Hz up to 1600 x 1200

Displayport 1.2 60Hz up to 4096 x 2160
75Hz up to 1600 x 1200
Daisy-chain output

DVI-I Dual Link (includes VGA) 30Hz up to 4096 x 2160
60Hz up to 2560 x 1600
75Hz up to 1600 x 1200



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness, Up/Down scaling to fit input to panel resolution

Other: System information, Scaling to fill screen and fill to aspect ratio, Programmable hot-keys, Factory reset, Ambient light sensor support*, Enable frame buffer for FRC image enhancement, OSD menu transparency

Accessories:

IE-2000, for 120Hz panels	P/N 4175600XX-3
Inverter interface board	[subject to panel]
IR remote control	P/N 5590001XX-3
OSD digital button board	Kit 67110-3
OSD membrane kit - Ver	Kit 67134-3
OSD membrane kit - Hor	Kit 67135-3
Audio Add-on board	P/N 416940020-3

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

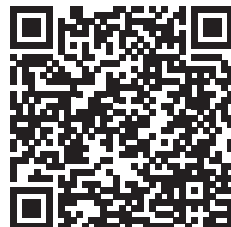
MTBF: 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

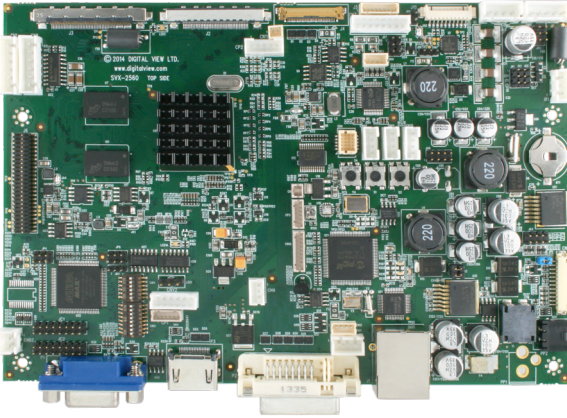
On the Website

www.digitalview.com/controllers/svx-4096-vw-lcd-controller.html



SVX-2560

Part No : 4174700xx-5



The SVX-2560 is an advanced controller for LCD panels up to 2560 x 1600 resolution

Features

- » Up to 2560 x 1600 input, 10 bit / Up to 2560 x 1600 LCD panel connectivity, 10 bit
- » HDMI, Displayport, DVI-D Dual Link, VGA, Component
- » LVDS, eDP panel connection @60Hz refresh rate
- » Full frame memory buffer for enhanced image control
- » Ethernet, RS-232 (Serial), Infra-red remote, External buttons

Panel Connection

LVDS (4 channel) up to 2560 x 1600 @60Hz
eDP (HBR/HBR2) up to 2560 x 1600 @60Hz

Panel resolutions 2560 x 1440/1600
 Most standard & custom resolutions up to 1920 x 1200

Input Signal

HDMI 1.4 60Hz up to 2560 x 1600
 75Hz up to 1280 x 1024

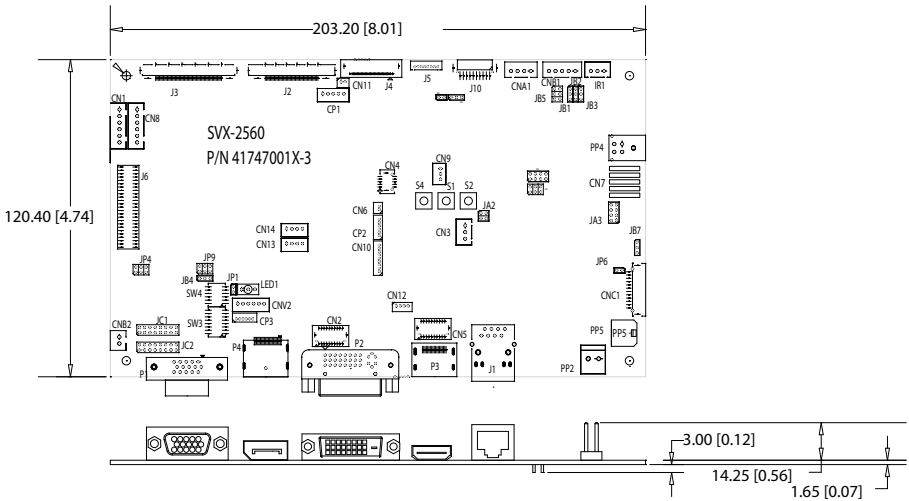
DVI-D Dual Link 60Hz up to 2560 x 1600
 75Hz up to 1280 x 1024

Displayport 1.2 60Hz up to 2560 x 1600
 75Hz up to 1280 x 1024

ARGB (VGA) 60Hz up to 1920 x 1200
 75Hz up to 1280 x 1024

Component 720p, 1080i, 1080p

3G-SDI Option: HD-3000S add-on



Functions

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Auto configuration, Brightness, Contrast, Clock, Phase, Color temperature, Image position, Saturation, Hue, Gamma*

Other: System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, Picture in Picture variable position with 18 size selections and Picture by Picture, Programmable hot-keys. Support for options such as ambient light sensor. Anti image retention functions.

Accessories

Inverter Interface Board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3
OSD Button Board	Kit 67110-3
OSD Membrane Kit Hor	Kit 67134-3
OSD Membrane Kit Ver	Kit 67135-3
Power Input Cable	P/N 426013800-3
Power Supply	Kit 80100-3
AVD-1000 analog video	Kit 71300-3

Specifications - other

Colors: 10 bit input / 10 bit panel support

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

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

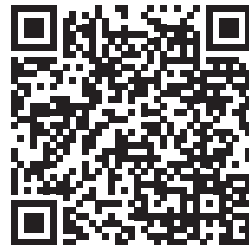
MTBF: 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

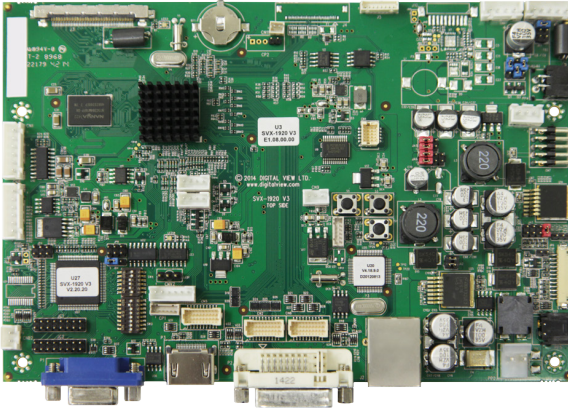
On the Website

www.digitalview.com/controllers/svx-2560-lcd-controller.html



SVX-1920v3

Part No : 4174800xx-3



The SVX-1920v3 replaces the SVX-1920

Features:

- » Up to 1920 x 1200 input, 10 bit / Up to 1920 x 1200 LCD panels, 10 bit
- » Analog RGB (VGA), HDMI, DVI-D, Component
- » LVDS panel connection @60Hz refresh rate
- » Full frame memory buffer for enhanced image control
- » Ethernet, RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz
*add IE-1010 for 120Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

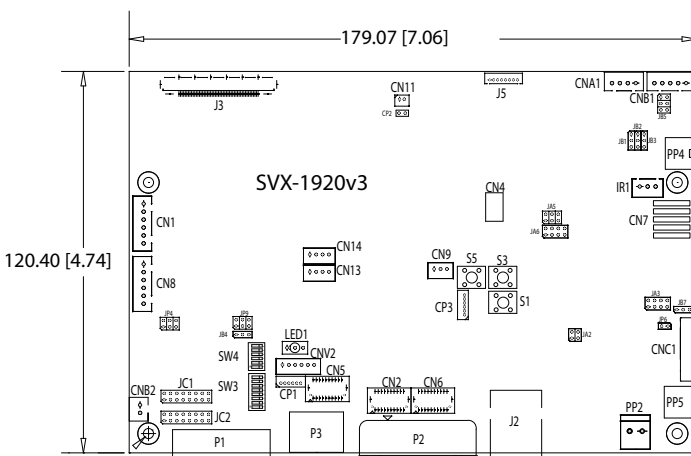
HDMI 1.4 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

DVI-D 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

ARGB (VGA) 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

Component 720p, 1080i, 1080p

3G-SDI *available as an option with HD-3000S add-on board



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Auto configuration, Brightness, Contrast, Clock, Phase, Color, temperature, Image position, Saturation, Hue, Gamma

Other: System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, Image flip, Picture in Picture variable position with 18 size selections and Picture by Picture, Programmable hot-keys. Support for options such as ambient light sensor. Anti image retention functions.

Accessories

3G-SDI Adaptor HD-3000S	P/N 4160164xx-3
Inverter Interface Board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3
OSD Button Board	Kit 67110-3
OSD Membrane Kit Hor	Kit 67134-3
OSD Membrane Kit Ver	Kit 67135-3
Power Input Cable	P/N 426013800-3
Power Supply	Kit 80100-3
AVD-1000 analog video	Kit 71300-3

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

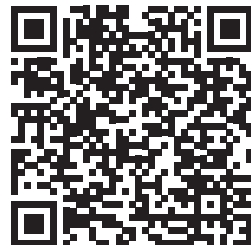
MTBF: 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

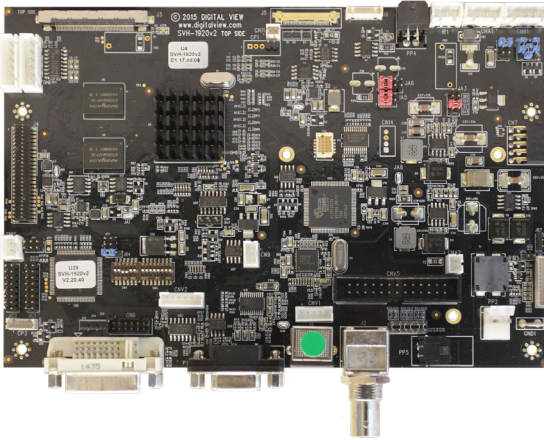
On the Website

digitalview.com/controllers/svx-1920v3-lcd-controller.html



SVH-1920v2

Part No : 4175200xx-3



The SVH-1920v2 replaces the SVH-1920

Features:

- » Up to 1920 x 1200 input, 10 bit / Up to 1920 x 1200 LCD panels, 10 bit
- » DVI-I (DVI-D & VGA2), Analog RGB (VGA) / Component, S-Video, Composite
- » LVDS panel connection @60Hz refresh rate
- » Full frame memory buffer for enhanced image control
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz
*add IE-1010 for 120Hz

eDP (HBR) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

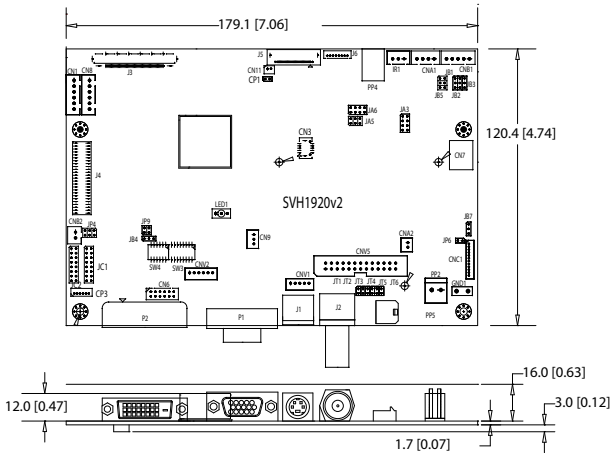
DVI-D Single Link 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

ARGB (VGA) 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

Component 720p, 1080i, 1080p

Video PAL / NTSC / SECAM

HD-SDI *available as an option with HD-1000/HD-2000 add-on boards



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness, Up/Down scaling to fit input to panel resolution

Other: System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, OSD menu transparency, Horizontal & Vertical image inversion, Picture in Picture (PiP) variable position & any input combination (18 sizes), Picture by Picture, Programmable hot-keys, Serial port protocol, Ambient light sensor support. Anti image retention functions.

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface Board	P/N 416040010-3
Audio Amplifier	P/N 416940020-3
IR Remote Control	P/N 5590001XX-3
IE-1010, for 120Hz panels	P/N 4172900xx-3
HD-SDI HD-1000	P/N 4160134xx-3
HD-SDI HD-2000	P/N 4160133xx-3

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

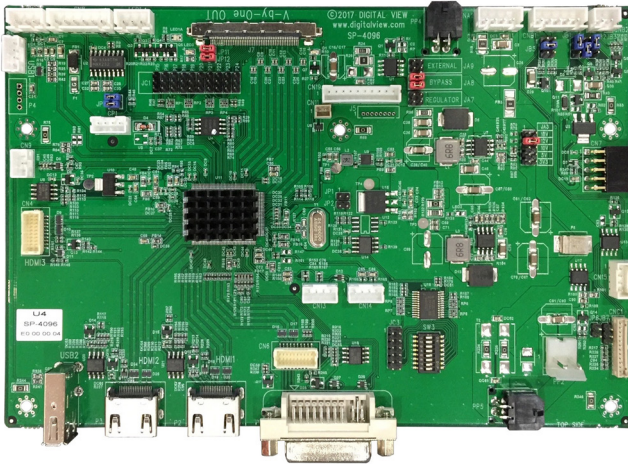
On the Website

digitalview.com/controllers/svh-1920v2-lcd-controller.html



SP-4096

Part No : 4176100xx-3



The SP-4096 controller for LCD panels up to 4096 x 2160 with HDMI, DVI-I inputs, and input source failover

Features:

- » Up to 4096 x 2160 input, 10 bit / Up to 4096 x 2160 LCD panels, 10 bit
- » HDMI (x2 + x1), DVI-I (DVI/VGA x1)
- » V-by-One panel connection @60Hz refresh rate
- » MP4 built-in media player for input source failover
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

V-by-One up to 4096 x 2160 @60Hz

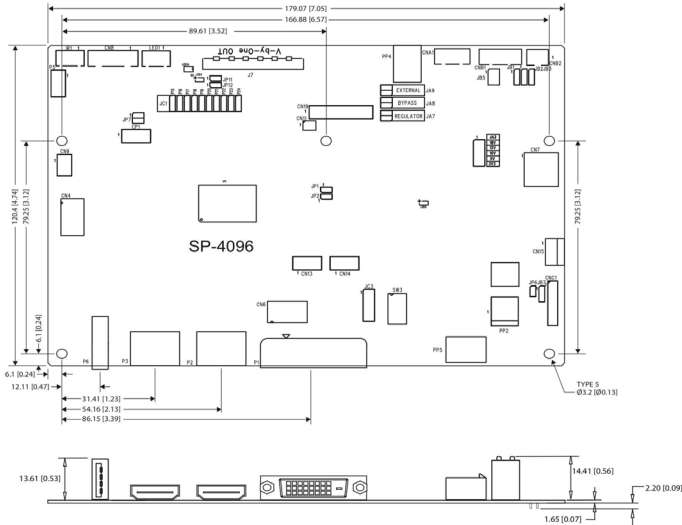
Panel resolutions Most standard & custom resolutions up to 4096 x 2160

Input Signal

HDMI 2.0 60Hz up to 4096 x 2160

DVI-I 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Main: Backlight brightness, Contrast, Color Temperature, Saturation, Hue, Sharpness, Black level

Other: Input source select, Auto source seek, Auto picture setup, Auto color gain, Manual clock & phase, OSD timeout, OSD menu transparency, System Information, Image scaling - Up/Down scaling to fit input to panel resolution & aspect ratio. Load factory defaults.

Media failover: MP4 from USB

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

On the Website

digitalview.com/controllers/sp-4096-lcd-controller.html

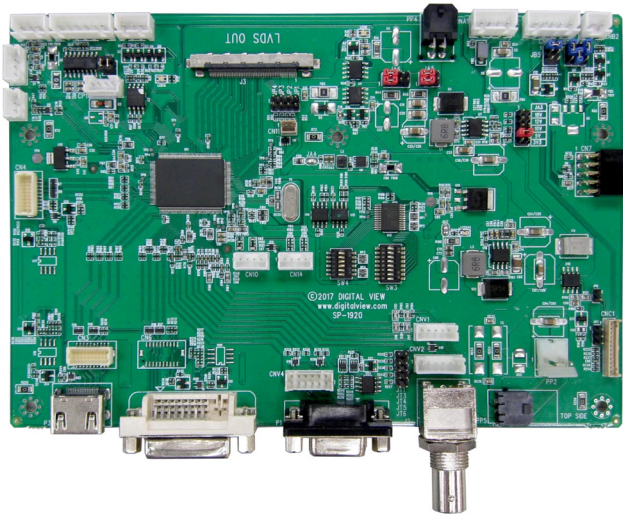
Accessories

IE-2000 for 120Hz panels	P/N 4175600xx-3
3G HD-SDI support	Kit 70700-3
OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3



SP-1920

Part No : 4176000xx-3



The SP-1920 controller for LCD panels up to 1920 x 1200 with HDMI, DVI, ARGB & Composite inputs and MP4 media player for input failover

Features:

- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 10 bit
- » HDMI (x1+1), DVI-I (DVI & VGA), Composite, Component
- » LVDS panel connection @60Hz refresh rate
- » MP4 built-in media player for input source failover
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

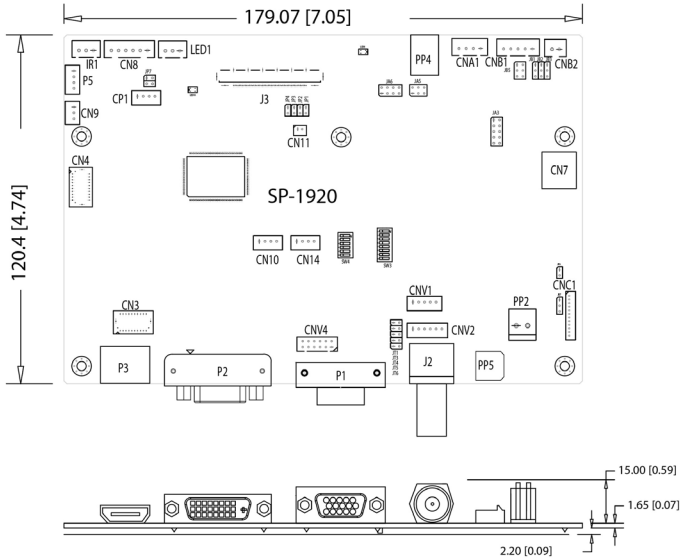
HDMI 60Hz up to 1920 x 1200

DVI 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200

Composite PAL, NTSC

Component PAL, NTSC
480p, 576p, 720p, 1080i, 1080p



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Main: Backlight brightness, Contrast, Color Temperature, Image positioning, Saturation, Hue, Sharpness, Black level

Other: Input source select, Auto source seek, Auto picture setup, Auto color gain, Manual clock & phase, OSD timeout, OSD menu transparency, Image orientation, System Information, Image scaling - Up/Down scaling to fit input to panel resolution & aspect ratio. Load factory defaults.

Media failover: MP4 from USB

Accessories

3G HD-SDI support	Kit 70700-3
OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

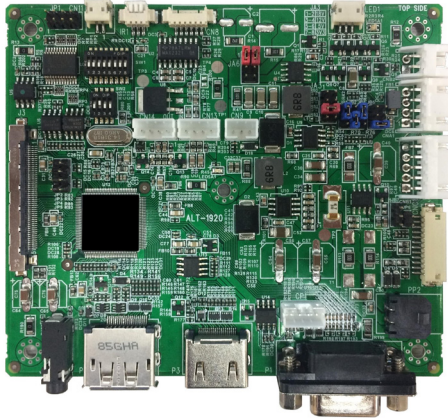
On the Website

digitalview.com/controllers/sp-1920-lcd-controller.html



ALT-1920

Part No : 41764001x-3



The ALT-1920 is a compact controller for LCD panels up to 1920 x 1200 with HDMI, Displayport & ARGB inputs

Features:

- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 8 bit
- » HDMI, Displayport, Analog RGB (VGA)
- » LVDS panel connection @60Hz refresh rate
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

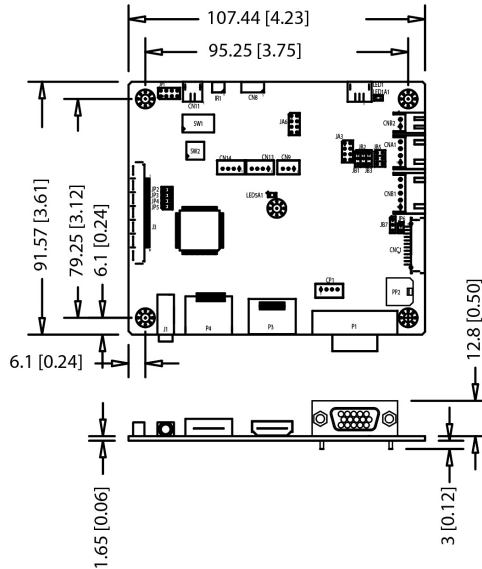
HDMI 60Hz up to 1920 x 1200

Displayport 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200

Customization

Customization options: Panel timing; Custom input timing; Splash screen logo, ie during start-up; Custom hotkeys , menus, commands; Custom EDID; Build options to omit connectors; Full PCBA relayout, conformal coatings & other hardware changes; Software utilities or Apps (IOS or Android) for RS-232 control



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Image Control: Black level, Contrast, Sharpness, Clock, Phase, Color temperature, Image position, Gamma, Auto picture setup, Auto RGB calibration

Other: Backlight brightness, Auto source seek, OSD timeout, OSD position, OSD menu rotation, OSD transparency, Select input source, Volume control, Load factory defaults

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3

Specifications - other:

Colors: 8 bit input / 8 bit panel support

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

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

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

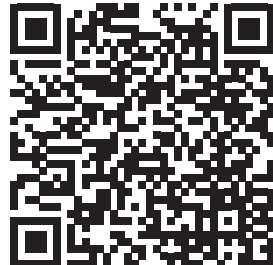
MTBF: over 200,000 hours

RoHS compliant: Yes

Warranty: 3 Years

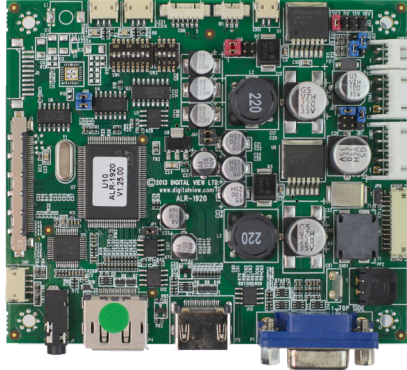
On the Website

digitalview.com/controllers/alt-1920-lcd-controller.html



ALR-1920

Part No : 4172700xx-3



The ALR-1920 is a compact controller for LCD panels up to 1920 x 1200 with HDMI, Displayport & ARGB inputs

Features:

- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 8 bit
- » HDMI, Displayport, Analog RGB (VGA)
- » LVDS panel connection @60Hz refresh rate
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

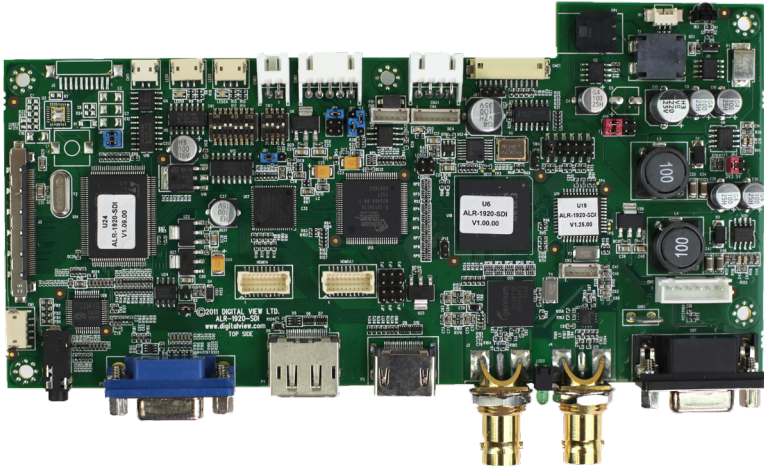
HDMI 60Hz up to 1920 x 1200

Displayport 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200

ALR-1920-SDI

Part No : 4172800xx-3



The ALR-1920-SDI provides the functionality of the ALR-1920 controller with the addition of 3G-SDI input

Features:

- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 8 bit
- » 3G-SDI / HD-SDI, HDMI, Displayport, Analog RGB (VGA)
- » LVDS panel connection @60Hz refresh rate
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel): up to 1920 x 1200 @60Hz

Panel resolutions: Most standard & custom resolutions up to 1920 x 1200

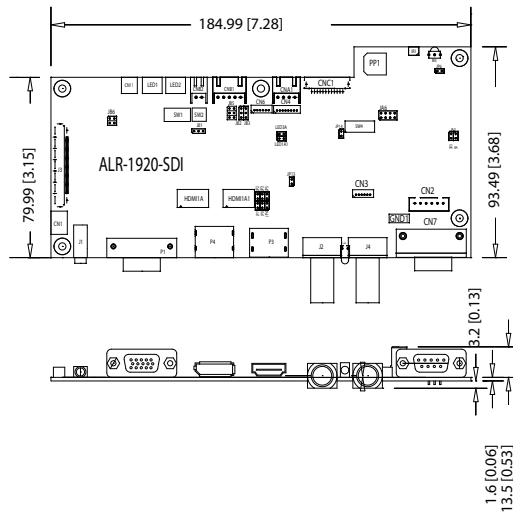
Input Signal

HDMI 60Hz up to 1920 x 1200

Displayport 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200

3G-SDI / HD-SDI 60Hz up to 1920 x 1200



Functions:

Display: On screen menu

Controls: External buttons, Infra-Red, Serial RS-232

Image Control: Auto configuration, Brightness, Contrast, Clock, Phase, Color temperature, Image position, Gamma, Sharpness.

Other: Auto picture setup, Auto RGB calibration, Auto source seek, Menu timeout, Menu position, Menu rotation, Menu transparency, Select input source, Volume control, Load factory defaults

Accessories

Digital Button Board
Vertical Membrane
Horizontal Membrane
Inverter Interface board
IR Remote Control

Kit 67110-3
Kit 67135-3
Kit 67134-3
P/N 416040010-3
P/N 5590001XX-3

Specifications - other:

Colors: 8 bit input / 8 bit panel support

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

Input Power: 12V DC +/- 5%, 10W

Inverter Support: DPMS enable (12V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

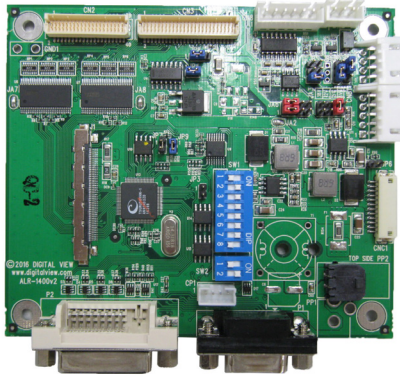
On the Website

digitalview.com/controllers/alr-1920-sdi-lcd-controller.html



ALR-1400v2

Part No : 4175800xx-3



The ALR-1400v2 is a compact LCD controller supporting LCD panels up to 1440 x 900 resolution with TTL and LVDS connection

Features:

- » Up to 1366 x 768 input, 8 bit / Up to 1440 x 900 LCD panels, 8 bit
- » DVI-D, Analog RGB (VGA)
- » LVDS & TTL panel connection @60Hz refresh rate
- » RS-232 (Serial), External buttons

Panel Connection

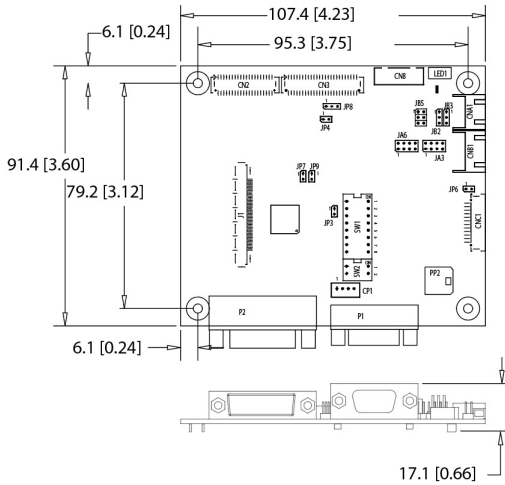
LVDS (2 channel) up to 1440 x 900 @60Hz
TTL up to 1440 x 900 @60Hz

Panel resolutions Most standard & custom resolutions up to 1440 x 900

Input Signal

DVI-D 60Hz up to 1366 x 768

ARGB (VGA) 60Hz up to 1366 x 768



Functions

Display: On Screen Display (OSD)

Controls: External buttons, Serial RS-232

Image Control: Brightness, Contrast, Sharpness, Clock, Phase, Color temperature, Image position, Gamma.

Other: Auto image adjust, Color auto adjust, Auto source seek, Input source select, Aspect ratio, OSD timeout, OSD menu position, OSD menu transparency.

Accessories

OSD Digital Button Board Kit 67110-3
 OSD Vertical Membrane Kit 67121-3
 OSD Horizontal Membrane Kit 67134-3
 Inverter Interface Board P/N 416040010-3

Specifications - other:

Colors: 8 bit input / 8 bit panel support

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

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

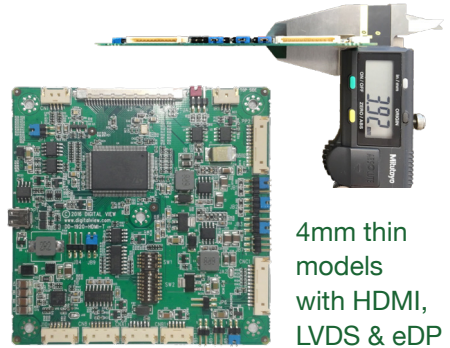
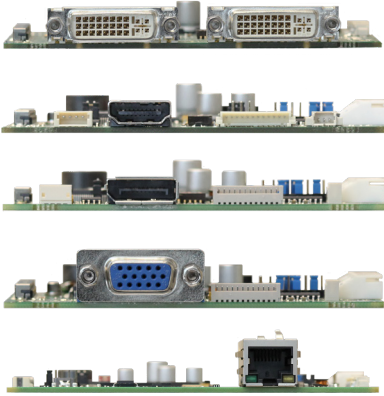
Warranty: 3 Years

On the Website

digitalview.com/controllers/alr-1400v2-lcd-controller.html



DD-1920 Family



4mm thin models with HDMI, LVDS & eDP

The DD-1920 family includes single input format controllers for LCD panels up to 1920 x 1200 resolution

Features:

- » Models supporting inputs: DVI, HDMI, Displayport, VGA, HD-BaseT
- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 8 bit
- » LVDS panel connection @60Hz refresh rate
- » eDP panel connection @60Hz refresh rate
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz
eDP up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

60Hz to 1920x1200

DD-1920-Dual-DVI

DVI x 2

DD-1920-HDMI

HDMI

DD-1920-DP

Displayport

DD-1920-VGA

VGA

DD-1920-HDBT

HD-BaseT

DD-1920-HDMI-T

Micro HDMI

DD-1920-HDMI-EDPT

Micro HDMI

Model	Part No.	Size (L x W x H) mm
DD-1920-Dual-DVI	4173900xx-3	107.4 x 73.6 x 13.55
DD-1920-HDMI	4173001xx-3	91.44 x 62.69 x 13.8
DD-1920-DP	4174900xx-3	93.02 x 63.77 x 13.8
DD-1920-VGA	4174300xx-3	91.44 x 62.69 x 13.8
DD-1920-HDBT	4175000xx-3	107.44 x 91.44 x 13.8
DD-1920-HDMI-T	4175701xx-3	91.4 x 91.4 x 4.0
DD-1920-HDMI-EDPT	4176600xx-3	91.4 x 91.4 x 4.0

Functions:

Display: On Screen Display (OSD)
Controls: External buttons, Infra-Red, Serial RS-232
Image Control: Brightness, Contrast, Color temperature, Gamma, Sharpness
Other: Auto source seek, OSD timeout, OSD position, OSD menu rotation, OSD transparency

Accessories

OSD Digital Button Board Kit 67110-3
 OSD Vertical Membrane Kit 67135-3
 OSD Horizontal Membrane Kit 67134-3
 Inverter Interface board P/N 416040010-3
 IR Remote Control P/N 5590001XX-3

Specifications - other:

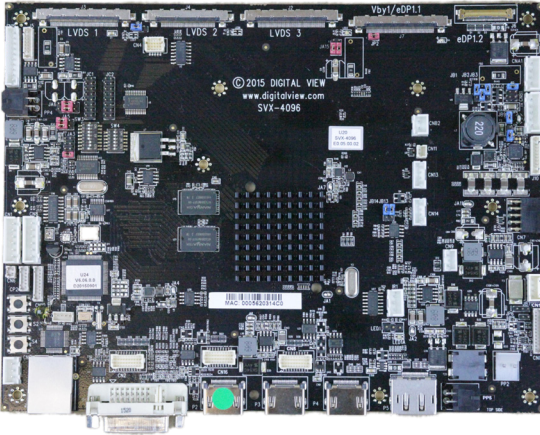
Colors: 8 bit input / 8 bit panel support
Panel Power: 3.3V, 5V, 12V
Input Power: 12V DC +/- 5%, 10W
Inverter Support: DPMS enable (3.3V or 5V), PWM
Plug & Play: DDC 1, 2/b compatible
Status indicator: Dual color LED support
MTBF: over 100,000 hours
RoHS compliant: Yes
Warranty: 3 Years

On the Website

digitalview.com/controllers/dd-1920-dual-dvi-lcd-controller.html
digitalview.com/controllers/dd-1920-hdmi-lcd-controller.html
digitalview.com/controllers/dd-1920-dp-lcd-controller.html
digitalview.com/controllers/dd-1920-vga-lcd-controller.html
digitalview.com/controllers/dd-1920-hdbt-lcd-controller.html
digitalview.com/controllers/dd-1920-hdmi-t-lcd-controller.html
digitalview.com/controllers/dd-1920-hdmi-edpt-lcd-controller.html

HX-4096

Part No : 4175501xx-3



The HX-4096 is an advanced controller supporting LCD & OLED panels up to 4096 x 2160 resolution

Features:

- » Up to 4096 x 2160 input, 10 bit / Up to 4096 x 2160 LCD panels, 10 bit
- » HDMI 2.0, HDMI 1.4 (x2), Displayport 1.2, DVI-I Dual Link
- » V-by-One, eDP, LVDS panel connection @60Hz/120Hz
- » Full frame memory buffer for enhanced image control
- » Ethernet, RS-232, Infra-red remote control, External buttons

Panel Connection

V-by-One	up to 4096 x 2160 @60Hz
(8 channel)	add IE-2000 for 120Hz
eDP (HBR/HBR2)	up to 4096 x 2160 @60Hz
LVDS (8 channel)	up to 4096 x 2160 @60Hz

Panel resolutions	4096 x 2160, 3840 x 2160 1920 x 1200, 1920 x 1080
--------------------------	--

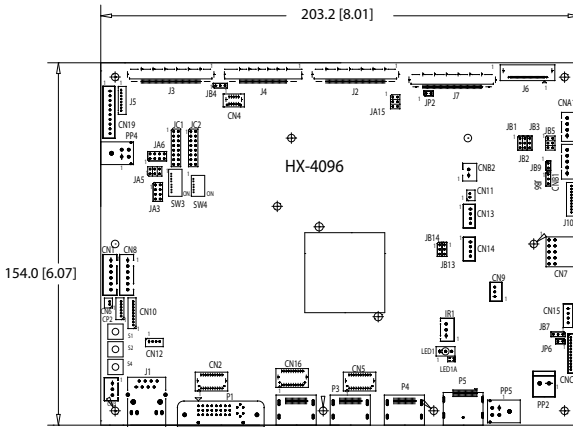
Input Signal

HDMI 2.0	60Hz up to 4096 x 2160 75Hz up to 1600 x 1200
-----------------	--

HDMI 1.4	30Hz up to 4096 x 2160 60Hz up to 2560 x 1600 75Hz up to 1600 x 1200
-----------------	--

Displayport 1.2	60Hz up to 4096 x 2160 75Hz up to 1600 x 1200
------------------------	--

DVI-I Dual Link	30Hz up to 4096 x 2160 60Hz up to 2560 x 1600 75Hz up to 1600 x 1200
------------------------	--



Functions

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness, Up/Down scaling to fit input to panel resolution

Other: System information, Scaling to fill screen and fill to aspect ratio, Programmable hot-keys, Factory reset, Quad input support, Picture in Picture (PiP), Picture by Picture (PbP), Ambient light sensor support, Enable frame buffer for FRC image enhancement, OSD menu transparency, DDC-CI support.

Accessories

IE-2000, for 120Hz panels	P/N 4175600XX-3
Inverter interface board	[subject to panel]
IR remote control	P/N 5590001XX-3
OSD digital button board	Kit 67110-3
OSD membrane kit - Ver	Kit 67134-3
OSD membrane kit - Hor	Kit 67135-3
Audio Add-on board	P/N 416940020-3

Note: Suitability for use in critical applications must be independently tested and verified by the user.

Harsh Environment Features

Ceramic capacitors

Locking connectors for vibration tolerance

Operating compliance from -20°C to 80°C

Silicone based conformal coating

Specifications - other

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

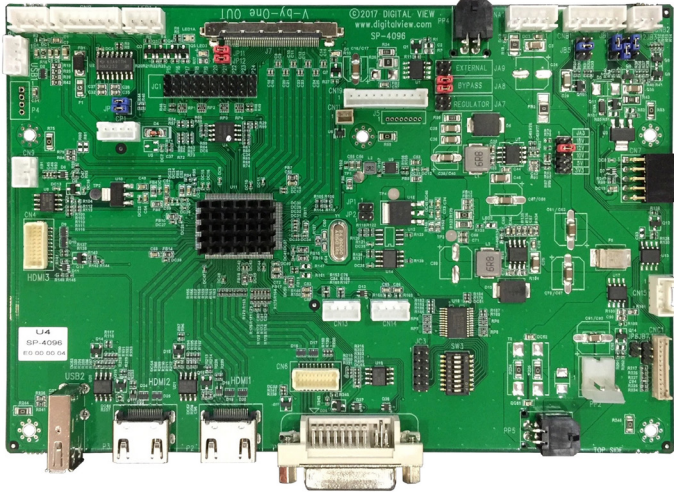
On the Website

digitalview.com/controllers/hx-4096-lcd-controller.html



HSP-4096

Part No : 4176101xx-3



The HSP-4096 controller for LCD panels up to 4096 x 2160 with HDMI, DVI-I (DVI & VGA) inputs, and input source failover

Features:

- » Up to 4096 x 2160 input, 10 bit / Up to 4096 x 2160 LCD panels, 10 bit
- » HDMI (x2 + x1), DVI-I (DVI & VGA)
- » V-by-One panel connection @60Hz refresh rate
- » MP4 built-in media player for input source failover
- » RS-232 (Serial), Infra-red remote control, External buttons
- » Conformal coating & extended temperature tolerance

Panel Connection

V-by-One up to 4096 x 2160 @60Hz

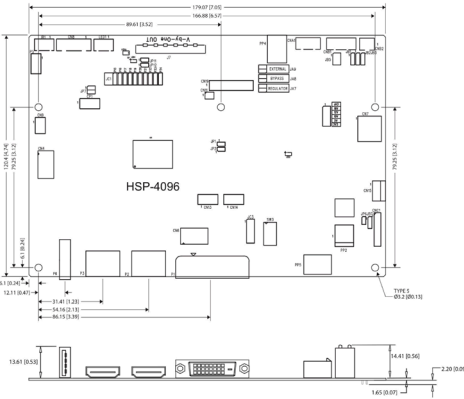
Panel resolutions Most standard & custom resolutions up to 4096 x 2160

Input Signal

HDMI 2.0 60Hz up to 4096 x 2160

DVI-I 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Main: Backlight brightness, Contrast, Color Temperature, Saturation, Hue, Sharpness, Black level

Other: Input source select, Auto source seek, Auto picture setup, Auto color gain, Manual clock & phase, OSD timeout, OSD menu transparency, System Information, Image flip, Image scaling - Up/Down scaling to fit input to panel resolution & aspect ratio. Load factory defaults.

Media failover: MP4 from USB

Conformal coating: Acrylic resin

Accessories

IE-200 for 120Hz panels	41775600xx-3
OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3

Note: Suitability for use in critical applications must be independently tested and verified by the user.

Harsh Environment Features

- » Ceramic capacitors
- » Locking connectors for vibration tolerance
- » Silicone based conformal coating
- » Operating compliance from -20°C to 80°C

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

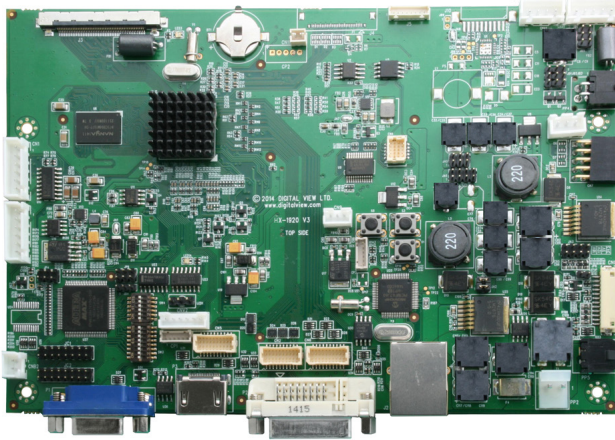
On the Website

digitalview.com/controllers/hsp-4096-lcd-controller.html



HX-1920v3

Part No : 4174801xx-3



The HX-1920v3 replaces the SVX-1920

Features:

- » Up to 1920 x 1200 input, 10 bit / Up to 1920 x 1200 LCD panels, 10 bit
- » Analog RGB (VGA), HDMI, DVI-D, Component
- » LVDS panel connection @60Hz refresh rate
- » Full frame memory buffer for enhanced image control
- » Ethernet, RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz
*add IE-1010 for 120Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

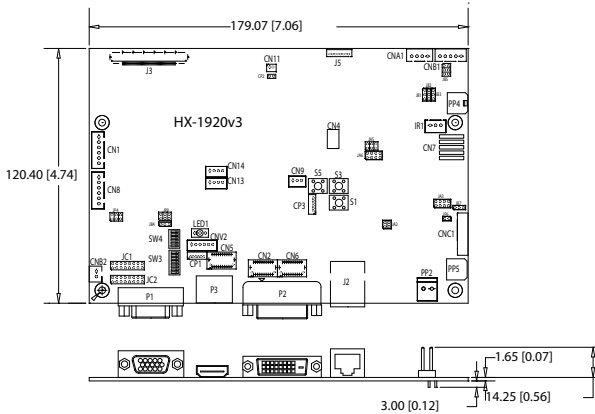
HDMI 1.4 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

DVI-D 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

ARGB (VGA) 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

Component 720p, 1080i, 1080p

3G-SDI *available as an option with HD-3000S add-on board



Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232, Ethernet

Image Control: Auto configuration, Brightness, Contrast, Clock, Phase, Color, temperature, Image position, Saturation, Hue, Gamma

Other: System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, Image flip, Picture in Picture variable position with 18 size selections and Picture by Picture, Programmable hot keys. Support for options such as ambient light sensor. Anti image retention functions.

Accessories

3G-SDI Adaptor HD-3000S P/N 4160164xx-3
Inverter Interface Board P/N 416040010-3

IR Remote Control	P/N 5590001XX-3
OSD Button Board	Kit 67110-3
OSD Membrane Kit Hor	Kit 67134-3
OSD Membrane Kit Ver	Kit 67135-3
Power Input Cable	P/N 426013800-3
Power Supply	Kit 80100-3
AVD-1000 analog video	Kit 71300-3

Note: Suitability for use in critical applications must be independently tested and verified by the user.

Harsh Environment Features

- » Ceramic capacitors
- » Locking connectors for vibration tolerance
- » Silicone based conformal coating
- » Operating compliance from -40°C to 80°C

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

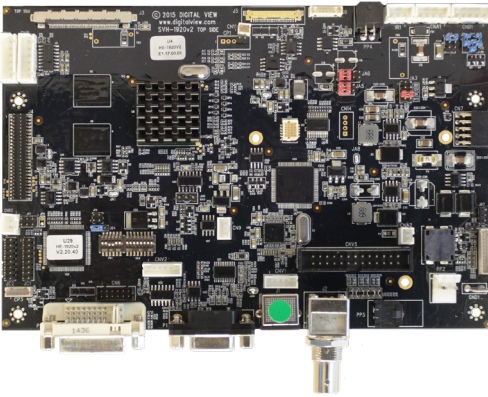
On the Website

digitalview.com/controllers/hx-1920v3-lcd-controller.html



HE-1920v2

Part No : 4175201xx-3



The HE-1920v2 replaces the HE-1920

Features:

- » Up to 1920 x 1200 input, 10 bit / Up to 1920 x 1200 LCD panels, 10 bit
- » DVI-I (DVI-D & VGA2), Analog RGB (VGA) / Component, S-Video, Composite
- » LVDS panel connection @60Hz refresh rate
- » Full frame memory buffer for enhanced image control
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz
*add IE-1010 for 120Hz

eDP (HBR) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

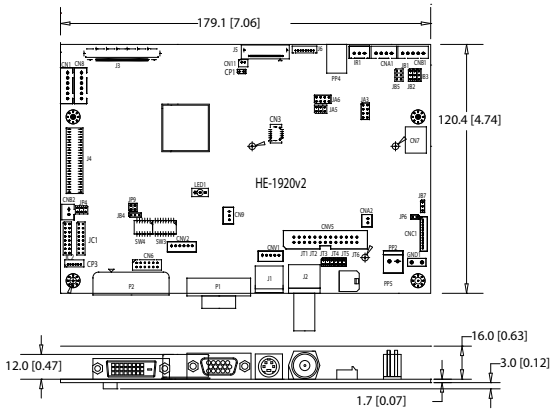
DVI-D Single Link 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

ARGB (VGA) 60Hz up to 1920 x 1200
75Hz up to 1280 x 1024

Component 720p, 1080i, 1080p

Video PAL / NTSC / SECAM

HD-SDI *available as an option with HD-1000/HD-2000 add-on boards



Functions

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness, Up/Down scaling to fit input to panel resolution

Other: System Information, OSD position, Scaling to fill screen and fill to aspect ratio, OSD timeout, Factory reset, OSD menu transparency, Horizontal & Vertical image inversion, Picture in Picture (PiP) variable position & any input combination (18 sizes), Picture-by-Picture, Programmable hot keys, Serial port protocol, Ambient light sensor support. Anti image retention functions.

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface Board	P/N 416040010-3
Audio Amplifier	P/N 416940020-3
IR Remote Control	P/N 5590001XX-3
IE-1010, for 120Hz panels	P/N 4172900xx-3
HD-1000 HD-SDI 1 ch	P/N 4160134xx-3
HD-2000 HD-SDI 2 ch	P/N 4160133xx-3

Note: Suitability for use in critical applications must be independently tested and verified by the user.

Harsh Environment Features

- » Ceramic capacitors
- » Locking connectors for vibration tolerance
- » Silicone based conformal coating
- » Operating compliance from -40°C to 80°C

Specifications - other

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

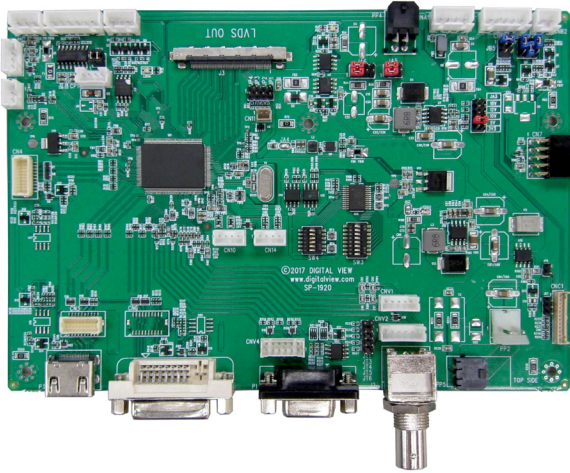
On the Website

digitalview.com/controllers/he-1920v2-lcd-controller.html



HSP-1920

Part No : 4176001xx-3



The HSP-1920 controller for LCD panels up to 1920 x 1200 with built-in MP4 media player for input failover

Features:

- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 10 bit
- » HDMI (x1 +1), DVI-I (DVI & VGA), Composite, Component
- » LVDS panel connection @60Hz refresh rate
- » MP4 built-in media player for input source failover
- » RS-232 (Serial), Infra-red remote control, External buttons
- » Conformal coating & extended temperature tolerance

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

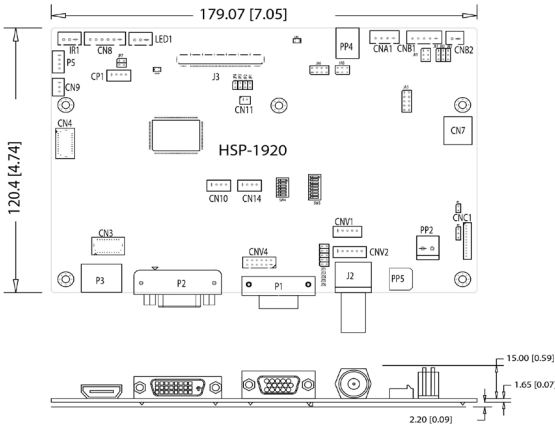
HDMI 60Hz up to 1920 x 1200

DVI 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200

Composite PAL, NTSC

Component PAL, NTSC
480p, 576p, 720p, 1080i,
1080p



Harsh Environment Features

- » Ceramic capacitors
- » Locking connectors for vibration tolerance
- » Silicone based conformal coating
- » Operating compliance from -20°C to 80°C

Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Main: Backlight brightness, Contrast, Color Temperature, Image positioning, Saturation, Hue, Sharpness, Black level

Other: Input source select, Auto source seek, Auto picture setup, Auto color gain, Manual clock & phase, OSD timeout, OSD menu transparency, Image orientation, System Information, Image flip, Image scaling - Up/Down scaling to fit input to panel resolution & aspect ratio. Load factory defaults.

Media failover: MP4 from USB

Conformal coating: Acrylic resin

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3

Note: Suitability for use in critical applications must be independently tested and verified by the user.

Specifications - other:

Colors: 10 bit input / 10 bit panel support

Panel Power: 3.3V, 5V, 10V, 12V, 18V

Input Power: 12/24V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

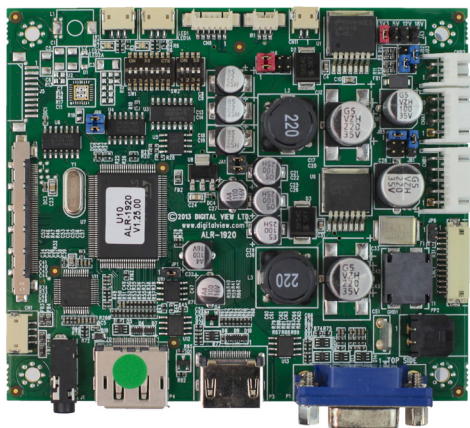
On the Website

digitalview.com/controllers/hsp-1920-lcd-controller.html



HLR-1920

Part No : 4172701xx-3



The HLR-1920 is a compact controller for LCD panels up to 1920 x 1200 with HDMI, Displayport & ARGB inputs

Features:

- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 8 bit
- » HDMI, Displayport, Analog RGB (VGA)
- » LVDS panel connection @60Hz refresh rate
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

LVDS (2 channel) up to 1920 x 1200 @60Hz

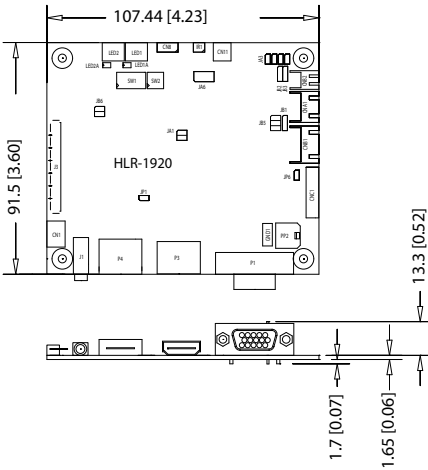
Panel resolutions Most standard & custom resolutions up to 1920 x 1200

Input Signal

HDMI 60Hz up to 1920 x 1200

Displayport 60Hz up to 1920 x 1200

ARGB (VGA) 60Hz up to 1920 x 1200



Harsh Environment Features

- » Ceramic capacitors
- » Locking connectors for vibration tolerance
- » Silicone based conformal coating
- » Operating compliance from -40°C to 80°C

Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Image Control: Brightness, Contrast, Sharpness, Clock, Phase, Color temperature, Image position, Gamma, Sharpness

Other: Auto picture setup, Auto RGB calibration, Auto source seek, OSD timeout, OSD position, OSD menu rotation, OSD transparency, Select input source, Volume control, Load factory defaults

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3

Specifications - other:

Colors: 8 bit input / 8 bit panel support

Panel Power: 3.3V, 5V, 12V

Input Power: 12V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

On the Website

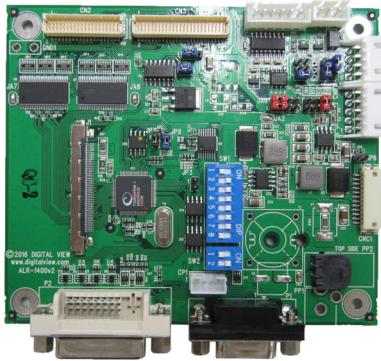
digitalview.com/controllers/hlr-1920-lcd-controller.html



Note: Suitability for use in critical applications must be independently tested and verified by the user.

HE-1400v2

Part No : 4175801xx-3



The HE-1400v2 is a compact LCD controller supporting LCD panels up to 1440 x 900 resolution with TTL and LVDS connection

Features:

- » Up to 1366 x 768 input, 8 bit / Up to 1440 x 900 LCD panels, 8 bit
- » DVI-D, Analog RGB (VGA)
- » LVDS & TTL panel connection @60Hz refresh rate
- » RS-232 (Serial), External buttons

Panel Connection

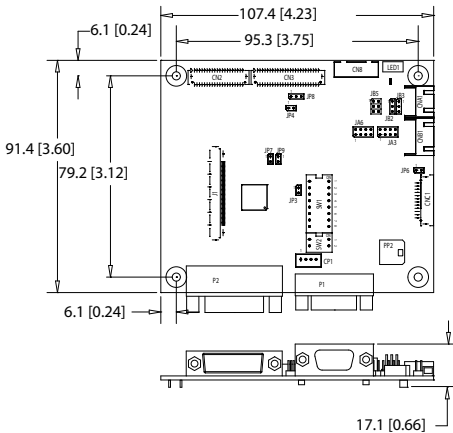
LVDS (2 channel) up to 1440 x 900 @60Hz
TTL up to 1440 x 900 @60Hz

Panel resolutions Most standard & custom resolutions up to 1440 x 900

Input Signal

DVI-D 60Hz up to 1366 x 768

ARGB (VGA) 60Hz up to 1366 x 768



Harsh Environment Features

- » Ceramic capacitors
- » Locking connectors for vibration tolerance
- » Acrylic resin conformal coating
- » Operating compliance from -20°C to 80°C

Functions:

Display: On Screen Display (OSD)

Controls: External buttons, Serial RS-232

Image Control: Brightness, Contrast, Sharpness, Clock, Phase, Color temperature, Image position, Gamma.

Other: Auto image adjust, Color auto adjust, Auto source seek, Input source select, Aspect ratio, OSD timeout, OSD menu position, OSD menu transparency.

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67121-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface Board	P/N 416040010-3

Specifications - other:

Colors: 8 bit input / 8 bit panel support

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

Input Power: 12V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

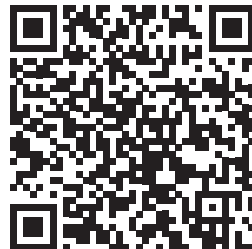
MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

On the Website

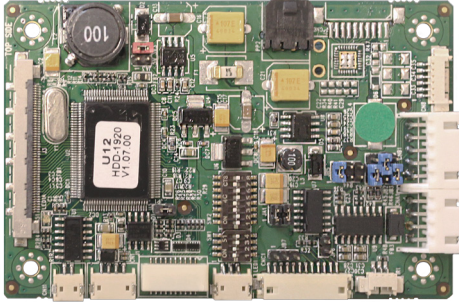
digitalview.com/controllers/he-1400v2-lcd-controller.html



Note: Suitability for use in critical applications must be independently tested and verified by the user.

HDD-1920

HDMI header - Part #: 4173003xx-3
HDMI connector - Part #: 4173002xx-3
Dual DVI - Part #: 4173902xx-3



The HDD-1920 is a single input format controller for LCD panels up to 1920 x 1200 resolution

Features:

- » Modified version of DD-1920 for harsher environments
- » Up to 1920 x 1200 input, 8 bit / Up to 1920 x 1200 LCD panels, 8 bit
- » LVDS panel connection @60Hz refresh rate
- » RS-232 (Serial), Infra-red remote control, External buttons

Panel Connection

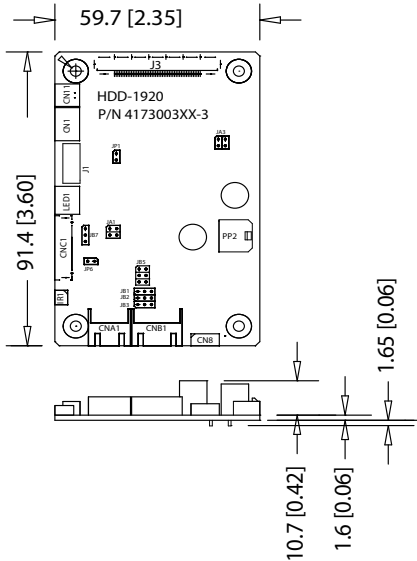
LVDS (2 channel) up to 1920 x 1200 @60Hz

Panel resolutions Most standard & custom* resolutions up to 1920 x 1200

Input Signal

HDMI (header) 60Hz up to 1600 x 1200

* Contact us for custom engineering



Functions

Display: On Screen Display (OSD)

Controls: External buttons, Infra-Red, Serial RS-232

Image Control: Brightness, Contrast, Color temperature, Gamma, Sharpness

Other: Auto source seek, OSD timeout, OSD position, OSD menu rotation, OSD transparency

Accessories

OSD Digital Button Board	Kit 67110-3
OSD Vertical Membrane	Kit 67135-3
OSD Horizontal Membrane	Kit 67134-3
Inverter Interface board	P/N 416040010-3
IR Remote Control	P/N 5590001XX-3

Note: Suitability for use in critical applications must be independently tested and verified by the user.

Harsh Environment Features

- » Tantalum capacitors
- » Locking connectors for vibration tolerance
- » Silicone based conformal coating
- » Operating compliance from -40°C to 80°C

Specifications - other:

Colors: 8 bit input / 8 bit panel support

Panel Power: 3.3V, 5V, 12V

Input Power: 12V DC +/- 5%, 10W

Inverter Support: DPMS enable (3.3V or 5V), PWM

Plug & Play: DDC 1, 2/b compatible

Status indicator: Dual color LED support

MTBF: over 100,000 hours

RoHS compliant: Yes

Warranty: 3 Years

On the Website

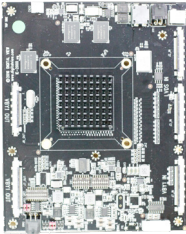
digitalview.com/controllers/hdd-1920-lcd-controller.html



Accessories

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/products/lcd-controller-accessories



120Hz Panel Interface: IE-2000, IE-1010

IE-1010 adds support for 10-bit, 120 Hz LCD panels up to 1920 x 1200 for controller models SVX-1920v3 and SVH-1920v2. In addition the IE-1010 supports image flip/invert function.

IE-2000 is designed for the SVX-4096 and adds support for 120Hz panels with V-by-One connectivity.

IE-1010 P/N 4172900xx-3

IE-2000 P/N 4175600xx-3

Composite Video Input Adaptor



AVD-2000 New model

AVD-1000 P/N: 4160187xx-3 | KIT-71300-3

HVD-1000 P/N: 4160188xx-3 | KIT-71301-3

The AVD-2000 is a new model scheduled for mid 2019 to replace the AVD-1000. Design is similar, board size is the same. Added capabilities include delinterlacing and faster source switching.

The AVD-1000 features two Composite video and two S-video inputs. It can also be custom assembled with four Composite inputs. There is also an HDMI output, type A connector, enabling stand-alone use. When used with a Digital View LCD controller, the OSD menu and Ethernet/RS-232 command set will provide input selection and other related functions.

The HVD-1000 is a Harsh Environment version.

SDI, HD-SDI, 3G-SDI



HD-1000 & HD-2000

High-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.

Single Channel	HD-1000 P/N 4160134xx-3
Dual Channel	HD-2000 P/N 4160133xx-3



HD-SDI to HDMI Adaptor

Adaptor for use with the HD-2000 and SVX-1920v3

Board Only P/N 4160167xx-3
Kit 70601-3

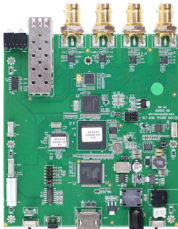


HD-3000S & HD-3000

Single & Dual Channel HD-SDI Adapter

1. Supports 1.5Gbits & 3Gbits bit rate
2. Single channels input port supported
3. HD-SDI re-clock loop through output
4. HDMI (v1.3) x 1 output port
5. Stereo embedded audio support
6. On-board power on/off switch
7. AFD (Active Format Description) support
8. Fully compliant with SMPTE 292M, 259M-C, 424M, 425M.

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



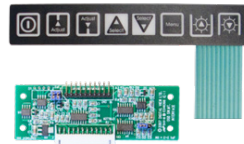
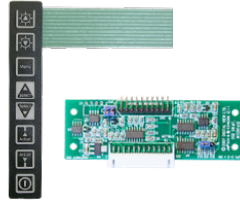
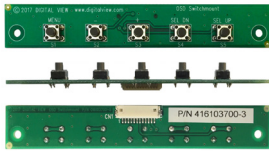
HD-3000-SF

In addition to the standard BNC connectors, the HD-3000-SF also supports a standard SFP fiber module providing distance driving – so far verified over 1.5km.

HD-3000-SF	P/N 4160177xx-3
------------	-----------------

On-Screen Menu Buttons | Various - see website

A selection of buttons to access the on-screen menu functions. Includes both mechanical click type and membrane type.



Ethernet Interface: IP-60v2 | P/N 4160137xx-3



The IP-60 is a network device that allows you to control RS-232 enabled devices over a TCP/IP based Ethernet and the Internet using a web browser.

The IP-60 features an embedded Web Console Program (WCP) that allows developers to change command settings and make their own web pages.



Audio Add-on board | Ask for details

An easy to use accessory to add audio capability directly to your display system.



Ambient Light Sensor: Autobrite+ | KIT-70307-3

Designed to work with any Digital View controller, this board provides auto-adjustment to the controller's backlight level (value 10-100) to match the brightness coming into the sensor. Monitoring the levels every 10 seconds, the Autobrite+ communicates with the controller through the serial port while allowing parallel communication of serial commands to the controller through the board. The four available outputs allow support for additional controllers.



IR/LED Board | P/N 416015300-3 (Kit 70221-3)

The IR board is one of those small accessories that sometimes gets overlooked but plays a valuable role. This board is designed to be integrated on the inside of an enclosure with suitable access holes. The IR receiver is used for the On Screen Display (OSD) menu of Digital View display interface controllers and works with the Digital View remote control. The LED is the controller power indicator.



IR Remote Control | P/N 5590001xx-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 is required.

IR Control Device

This new IR control device provides a method of having single button port selections from the IR remote. For example, #1 always selects the DVI port while #4 selects the Composite 1 port.

Also available

Bluetooth Interface

Provides a smartphone interface for controller/display menu functions.

USB Switcher

A USB 'follow-me' solution so a touch-screen USB connection matches the video input source from laptops and other video sources.

Software & Apps

Windows, Android and IOS applications to enhance the functionality of monitors.

See all Accessories at: www.digitalview.com/accessories/accessories.html



USA

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

DIGITAL VIEW[®]
■ ■ ■ ■ ■ ■ ■ ■

EUROPE

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

www.digitalview.com

ASIA

705-708, 7/F Texwood Plaza, 6 How Ming St, Kwun Tong,
Kowloon, Hong Kong
t : +(852) 2861-3615



Details subject to change without notice