



**Product End of Life Notice**  
LCD Controller SP-1920, HSP-1920  
Discontinued as of  
**November 15th, 2022**

Due to an EOL of the main component chip, Digital View is forced to announce the end of life of the following five LCD Controller products and ALL CUSTOM VERSIONS:

Part #	Description
4176000XX-3	SP-1920 CONTROLLER, RoHS
4176001XX-3	HSP-1920 CONTROLLER, HARSH ENVIRONMENT, RoHS

**SP-1920v2** will be the suitable replacement for SP-1920 and will be available late Q4 2022. Please see comparison chart below for reference.

Part #	Description
4178100XX-3	SP-1920v2 CONTROLLER, RoHS
4177801XX-3	HSP-1920v2, HARSH ENVIRONMENT, RoHS (coming soon)

**SP-1920v2:** The SP-1920v2 LCD controller is an interface board converting video signals such as HDMI, DVI, VGA and Composite to the signals required by compatible LCD panels such as from AUO, BOE, Innolux, LG Display, Samsung, Sharp and others. It also provides monitoring and control features for the finished monitor or display system.

A harsh environment version will be released Q4 2022 while the **standard version will be available late Q3 2022.**

**Existing inventory on hand at franchised, stocking distributors will be eligible for stock rotation through November 15<sup>th</sup>, 2022.**

For additional information, please contact:

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## Comparison Chart of new SP-1920v2 to EOL SP-1920

<b>INPUT &amp; PANEL RESOLUTION</b>	<b>SP-1920</b>	<b>SP-1920v2</b>
640x480 (VGA)	✓	✓
800x480 (WVGA)	✓	✓
800x600 (SVGA)	✓	✓
1024x600 (WSVGA)	✓	✓
1024x768 (XGA)	✓	✓
1280x1024 (SXGA)	✓	✓
1366x768, 1280x768 (WXGA)	✓	✓
1400x1050 (SXGA+)	✓	✓
1280x800, 1440x900 (WXGA)	✓	✓
1600x1200 (UXGA)	✓	✓
1920x1080, 1920x1200 (WUXGA)	✓	✓
1920x1920	x	x
2560x1440	x	x
2560x1600 (WQXGA)	x	x
Custom – within range	✓	✓
<b>INPUT CONNECTORS &amp; SIGNALS</b>	<b>SP-1920</b>	<b>SP-1920v2</b>
VGA 1	✓	✓
VGA 1 internal connector	✓	✓
VGA 2	x	x
DVI	DVI-D (single-link)	DVI-D (single-link)
DVI internal connector	x	x
HDMI 1 (Type A)	✓	✓
HDMI 1 internal connector	✓	✓
HDMI 2 internal connector	✓	✓
Displayport	x	x
Composite Video	✓x2	✓x1
Composite Video loop out	x	✓
S-Video - Y/C	x	x
Component 1	HD/SD	HD/SD
Auxiliary analog video port (Header)	✓	✓
<b>PANEL INTERFACE</b>	<b>SP-1920</b>	<b>SP-1920v2</b>
LVDS Panel Interface	✓	✓
Embedded DisplayPort (eDP1.2)	x	x
Panel bit level	10 bit	10 bit
Panel vertical refresh	60Hz	60Hz
<b>FUNCTIONS</b>	<b>SP-1920</b>	<b>SP-1920v2</b>
Brightness, Contrast, Color Temp	✓	✓
Image Up Scaling	✓	✓
Image Down Scaling	✓	✓

Multi-panel support	✓	✓
Infra-Red Remote control	✓	✓
Picture In Picture	x	x
Picture By Picture (Side by Side)	x	x
Memory Buffer	✓	✓
RS-232 Serial – DV protocol	✓	✓
Graphic Image Flip (H&V)	✓	✓
Graphic Image Rotation	x	x
Variable Aspect Ratio	✓	✓
Auto Source Seek	✓	✓
Auto power when absence of input signal	✓	✓
User default settings	x	x
Freeze & Zoom function	x	x
Programmable Hot Keys	✓	✓
Anti-image retention	✓	✓
OSD menu languages support (English / Spanish / French)	✓	✓
Video standard selection	✓	✓
Text overlay function	x	To be confirmed
OSD menu position / timeout	✓timeout only	✓timeout only
PWM backlight support	✓	✓
Standard Gamma selection	✓	✓
Resolution default EDID for different panel resolution function	✓	✓
Baud rate selection (2400 / 4800 / 9600 / 14400 / 19200 / 38400 / 57600 / 115200)	x	To be confirmed
<b>Hardware</b>	<b>SP-1920</b>	<b>SP-1920v2</b>
On board LED backlight driver	x	x
OSD switch mount connector type	Hirose DF13A-12P-1.25H	Hirose DF13A-12P-1.25H
LVDS output connector	JAE 51 ways	JAE 51 ways
Audio board connector	✓	x
Analog (Stereo) audio in and audio out connectors	✓	✓
RS-232 connector	✓x 1	✓x 1
Ethernet – DV protocol	x	x
Backlight status input connector	✓	✓
Panel power voltage support	3.3/5/10/12/18V	3.3/5/10/12/18V
SPDIF digital audio output	✓	✓
Audio line out jack	x	✓
On-board temperature sensor	x	✓
Ambient Light sensor (via CN6)	✓	✓
Backlight control	Analog & 8 bits PWM control.	Analog & 8 bits PWM control.(12 bits PWM built option)
Media file failover function from USB flash device.	✓(h.264 support)	✓(h.264/h.265 support)
1 x GPIO pin for NVIS application.	x	✓
External power input	✓	✓
Firmware Upgrade (via)	Service port/USB thumb drive	Service port/USB thumb drive
Input connectors placement arrangement	HDMI/DVI/VGA/Comp	HDMI/DVI/VGA/Comp

	osite	osite
Input Power Range	12v/24v ± 5%	12v/24v ± 5%
Dimensions (mm)	179x120	179x120

Remark :



Function different between SP-1920 and SP-1920v2