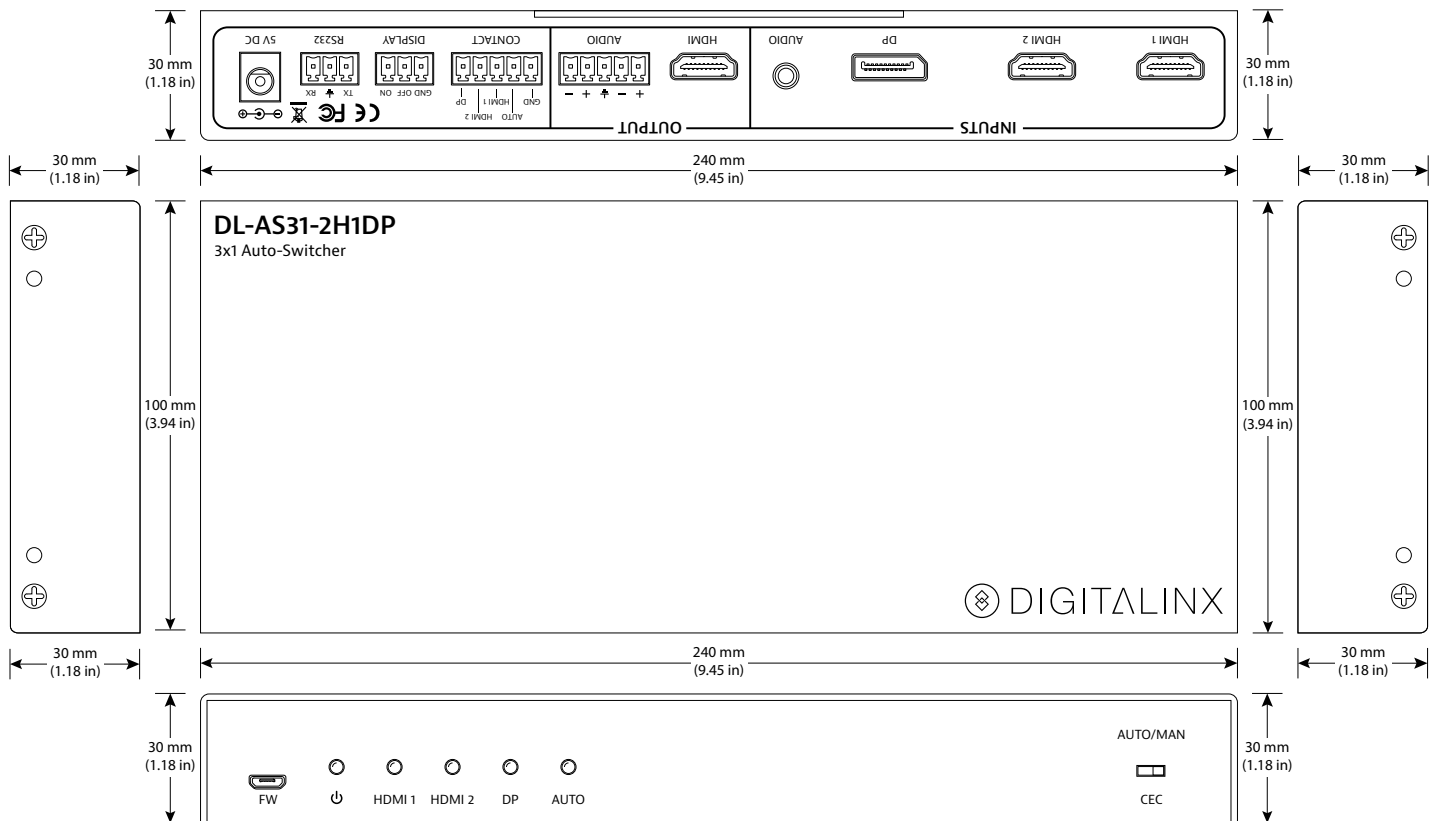


## DL-AS31-2H1DP Technical Specifications

DigitalLinx Two HDMI and One DisplayPort to One HDMI Output Auto-Switcher  
Rev 160323

The DL-AS31-2H1DP is a multiformat auto-switcher with two HDMI inputs, one DisplayPort with analog audio input, one HDMI output, and one balanced analog audio output. This auto-switcher supports HDMI and DisplayPort video resolutions up to 4Kx2K at 30 Hz and multichannel audio. In addition to passing EDID information from the display, there are multiple built-in EDID settings to simplify an installation. The DL-AS31-2H1DP will de-embed the digital audio from the HDMI output signal, and output it via the balanced analog audio output port.

When in auto-switch mode, the DL-AS31-2H1DP will switch to a signal input as soon as a new source is connected. When the active source is removed, the switcher will select the first source on the lowest numbered input. The DL-AS31-2H1DP may also be controlled via RS232 commands or by contact closures on the rear of the switcher.



<b>I/O Connections</b>	
HDMI Inputs	Two (2) HDMI Type A Receptacle
DisplayPort Input	One (1) Full Size DisplayPort Female Receptacle
Audio Input	One (1) 3.5mm TRS Jack
HDMI Output	One (1) HDMI Type A Receptacle
Audio Output	One (1) 5-pin Removable Terminal Block
Input Select Contact Closures	One (1) 5-pin Removable Terminal Block
Manual CEC Contact Closures	One (1) 3-pin Removable Terminal Block
RS232	One (1) 3-pin Removable Terminal Block
DC 5V Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
CEC Switch	One (1) 3mm Microswitch
Firmware	One (1) Micro-B Receptacle
<b>Supported Audio and Video</b>	
Maximum Video Compatibility	Deep Color 48/36/30/24 Bit at 1080p and 2160p/30
Video Compliance	HDMI1.4, HDCP1.4, CEC (Consumer Electronics Control)
HDMI and DisplayPort Video Signal Resolution	4096x2160@30Hz, 3840x2160@24/25/30Hz, 1920x1080@24/25/30/50/60Hz, 1920x1080@50/60Hz, 1920x1080i@50/60Hz, 1600x900@60Hz, 1366x768Hz@60Hz, 1280x720Hz@60Hz, 1920x1200@60Hz, 1680x1050@60Hz, 1440x900@60Hz, 1360x768@60Hz, 1280x800@60Hz, 1600x1200@60Hz, 1400x1050@60Hz, 1280x1204@60Hz, 1024x768@60Hz, 800x600@60Hz, 640x480@60Hz
HDMI Embedded Audio	PCM/Dolby Digital/DTS/DTS-HD
External Audio Signal	Stereo audio
Output Audio Signal	Balanced analog audio, compatible with unbalanced analog audio.
Output Audio Signal to Noise Ratio	SNR≥85dB
Output Audio Frequency Response	20 Hz to 20 kHz
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	0.5 to 1.0 volts p-p
Maximum Passive Cable Length	5 m (16 ft)
RS232 Baud Rate	9600 baud
<b>Chassis and Environmental</b>	
Enclosure	Painted aluminum
Dimensions (W x H x D)	240 mm x 100mm x 30 mm (9.45 in x 3.94 in x 1.18 in)
Shipping Weight	0.85 kg (1.87 lbs.)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Temperature (Chassis)	31° C (88° F) (S); 38° C (100° F) (R)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Storage Humidity (Environment)	20% to 90%, Non-condensing
<b>Power, ESD, and Regulatory</b>	
Maximum Power Consumption	5 watts
Power Supply Input Voltage	100-240V AC at 50/60 Hz
Power Supply Output Rating	DC5V at 3 A
ESD Protection	Contact discharge: ±15kV; Air discharge: ±8kV
Device Regulatory	CE, RoHS
Power Supply Regulatory	CE, RoHS, TUV, UL, SGS
<b>Other</b>	
Standard Warranty	2 Years
Diagnostic Indicators	Power, Source Mode, Selected Input.
Included Accessories	Installation guide, power supply with AC adapters (AU, EU, UK, and US), RS232 cable, 5-pin terminal blocks (2 ea), 3-pin terminal blocks (2 ea), rubber feet, mounting "L" brackets (2 ea), mounting screws (4 ea)

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.