



## DT-1920-HDMI-EDPT

### HDMI input for Full-HD eDP LCD panels

The DT-1920-HDMI-EDPT LCD controller is similar in functionality to the DT-1290-HDMI LCD controller - redesigned to provide connectivity for eDP interface LCD panels.

Connectivity for 8 bit LCD panels up to 1920x1200 resolution with LVDS input it provides HDMI input via a micro-HDMI connector. Both standard and custom panel and input resolutions are supported.

#### Key Features:

- » Up to 1920x1200 input / Up to 1920x1200 LCD panels
- » HDMI 1.4, Micro-HDMI connector (standard size as build option)
- » eDP panel connection @60Hz
- » Very low latency
- » RS-232, I<sup>2</sup>C for command & control
- » Part number: 4176600xx-3 (micro HDMI)
- » Part number: 4176602xx-3 (standard HDMI)

#### Panel Connectivity

<b>eDP</b>	Up to 1920 x 1200 @60Hz
<b>Panel Timing:</b>	Mini-dip switch select
<b>Panel Power:</b>	Supports 3.3V, 5V, 12V panels

Standard and custom panel resolutions are supported up to the maximum resolution noted above.

#### Input

<b>HDMI 1.4</b>	60Hz up to 1920x1200 75Hz up to 1280x1024
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Note: Uses standard or Micro-HDMI connector (check model number)

#### Reliability

<b>Calculated MTBF:</b>	In excess of 250,000 hours
<b>Warranty:</b>	3 years

#### Features

<b>Colors:</b>	Up to 8 bit per color
<b>Function Display:</b>	On Screen Display (OSD) menu
<b>Function Controls:</b>	External buttons, Infra-Red controls, Serial Port
<b>Image Scaling:</b>	Up / Down scaling to fit input to panel resolution
<b>Image Control:</b>	Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness
<b>Other functions:</b>	Audio volume
<b>Communication:</b>	RS-232, I2C
<b>Firmware upgrade:</b>	RS-232, Smart-ISP
<b>Power:</b>	+12VDC / +24VDC ±5%, 10W (controller only)
<b>Backlight Support:</b>	DPMS Enable pin (3.3V or 5V), PWM
<b>Plug &amp; Play:</b>	DDC 1,2/b compatible
<b>Status Indicator:</b>	Dual color LED support
<b>Audio:</b>	Stereo line-out
<b>Size:</b>	91.4mm x 91.4mm x 4mm

