



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, I²C for command & control
- » Part number: 4176600xx-3 (micro HDMI)
- » Part number: 4176602xx-3 (standard HDMI)

Panel Connectivity

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

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

Input

HDMI 1.4	60Hz up to 1920x1200 75Hz up to 1280x1024
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Note: Uses Micro-HDMI connector (standard size is available as build option)

Reliability

Calculated MTBF:	In excess of 250,000 hours
Warranty:	3 years

Features

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

